Delhi Public School

Gandhinagar Academic session

(2026-27)

Class- III

Study Materials

NOVEMBER: 2026

Subject: MATHS

CH- 6 FRACTION (CONTINUED…)

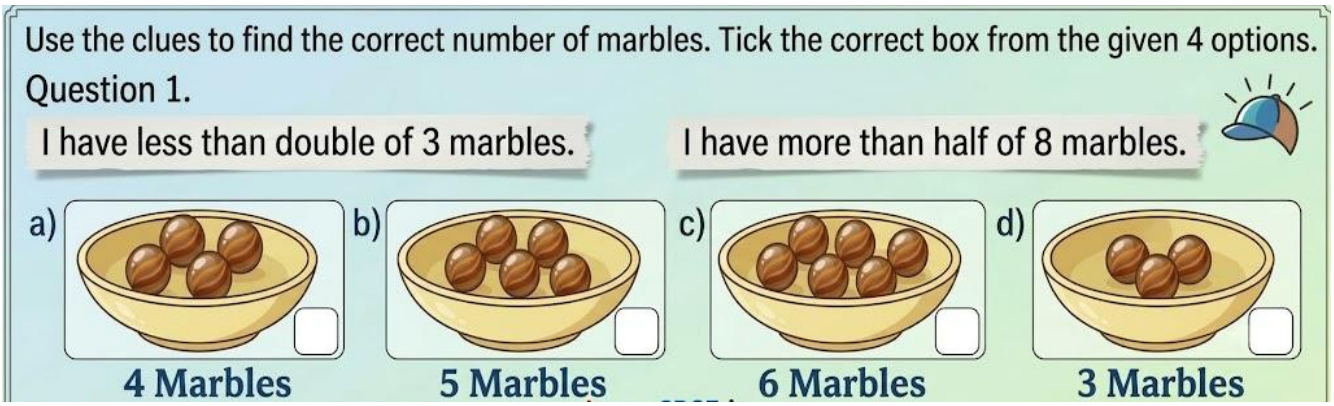
COMPETENCY BASED QUESTIONS

I Choose the correct answer

1 How many minutes are there in $\frac{1}{6}$ of an hour?

a) 8 **b) 10** c) 12 d) 14

2



Ans**: b) 5 marbles**

II Answer in one word

1 $\frac{1}{4}$ of 1 dozen eggs is _____

1 dozen =12 eggs

$\frac{1}{4}$ of 12 = 12 ÷ 4 = 3 eggs

2 **Computational thinking:**

If '@' means 'half of 4', '$' means 'double of 4 ', then what is the value of sum of @ and $?

Ans: @ + $ = 2 + 8 = 10

III Solve the following

1 **Coding- decoding**:

In a secret code, $\frac{1}{2}$ is written as X, $\frac{1}{4}$ is written as Y, $\frac{1}{5}$ is written as Z

Using this code, decode the following fractions.

i. X of 10 apples = _____ apples

$\frac{1}{2}$ of 10 = 10 ÷ 2 = 5 apples

ii. Y of 1 year = _____ months

$\frac{1}{4}$ of 12 months= 12 ÷ 4 = 3 months

iii. Z of a century = _____ runs

$\frac{1}{5}$ of 100 = 100 ÷ 5 = 20 runs

2 A farmer has 18 equal plots. He grows vegetables in 10 plots, fruits in 5 plots and flowers in 3 plots.

i. What fraction of the plots are used for vegetables? $\frac{10}{18}$

ii. What fraction are used for flowers? $\frac{3}{18}$

iii. What fraction are used for fruits and flowers? $\frac{5}{18} + \frac{3}{18} = \frac{8}{18}$

IV Case study



A group of 10 children went to a garden for a picnic. Out of them, 5 children were playing near the fountain, and 2 children were sitting under a tree eating snacks and remaining children helping the gardener to water the plants nearby. Everyone enjoyed the picnic on the sunny afternoon.

1 Identify the numerator of the fraction of children playing near the fountain.

Ans: $\frac{5}{10}$, **numerator is 5**

2 Find the fraction of children eating snacks.

Fraction of children eating snacks = $\frac{2}{10}$

3 How many children helped the gardener?

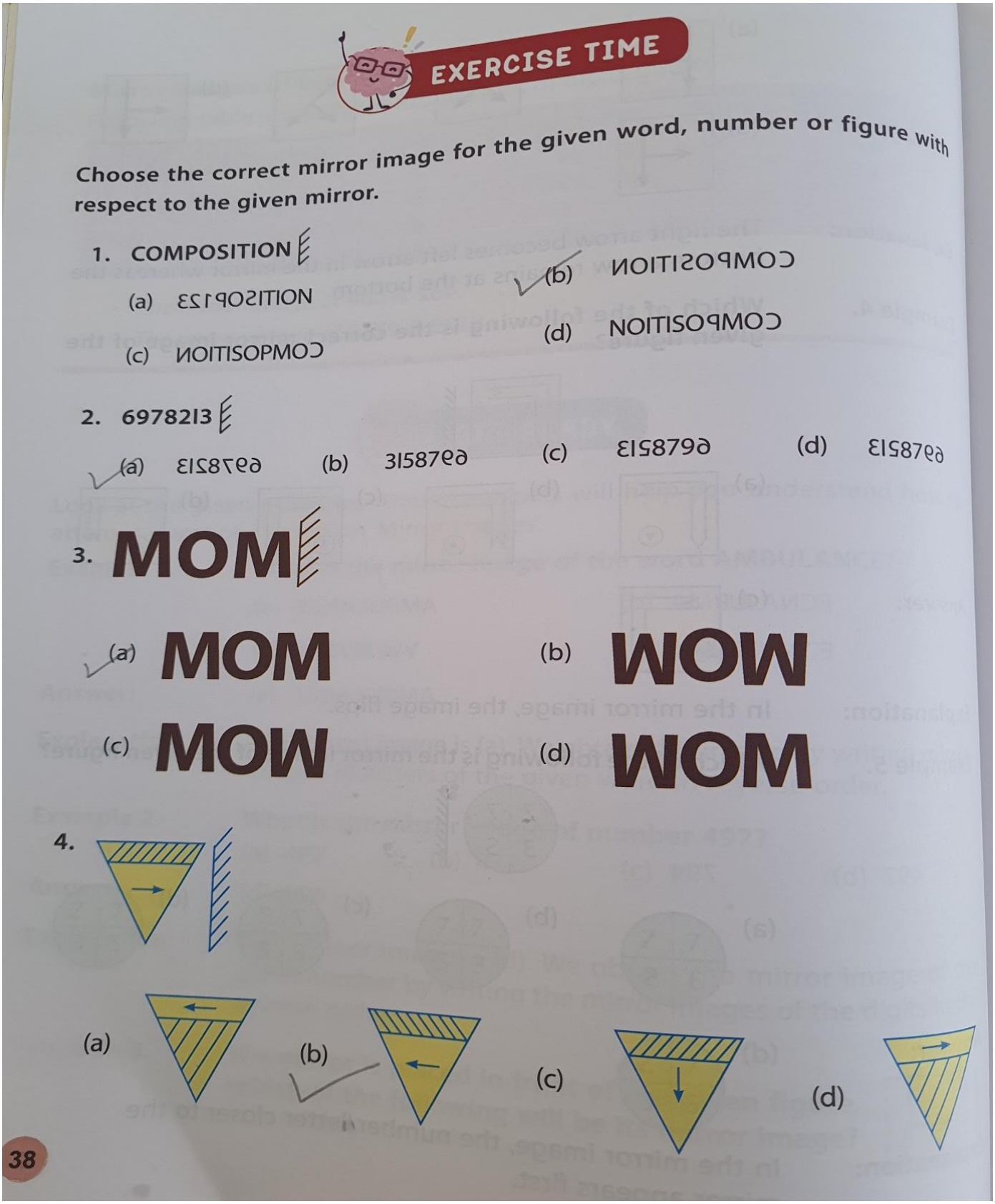
No of children helped gardener= 10- 7 =**3 children**

4 The number of children helping the gardener is greater than the number of children eating snacks..

(**True** / False)

Thinking skills

Chapter 4 MIRROR IMAGES



EXERCISE TIME

Choose the correct mirror image for the given word, number or figure with respect to the given mirror.

1. COMPOSITION

(a) ƐƧ1ꟼOƧITION (b) ИOITIƧOꟼMOƆ

(c) ИOITISOPMOƆ (d) NOITISOꟼMOƆ

2. 6978213

(a) ƐIƧ8ꟼ9ɘ (b) 3I5879ɘ (c) ƐI5879ɘ (d) ƐI5879ɘ

3. MOM

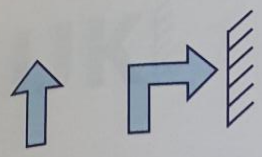
(a) MOM (b) WOW

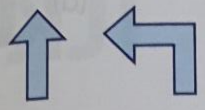
(c) MOW (d) WOM

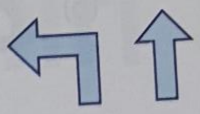
4.

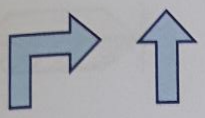
(a) (b) (c) (d)

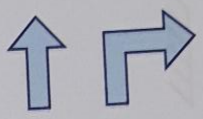
38

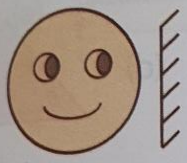
5. 

(a) 

(b) 

(c) 

(d) 

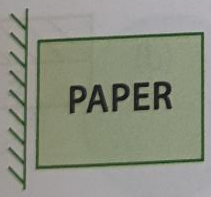
6. 

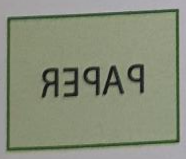
(a) 

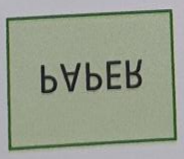
(b) 

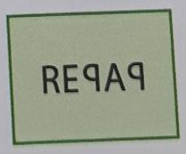
(c) 

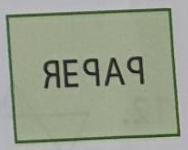
(d) 

7. 

(a) 

(b) 

(c) 

(d) 

8. 

(a) 

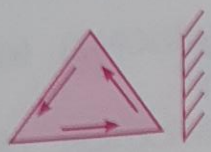
(b) 

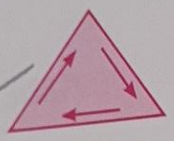
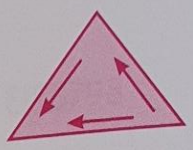
(c) 

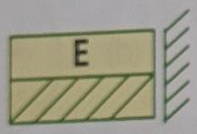
(d) 

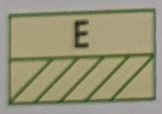
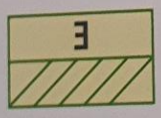
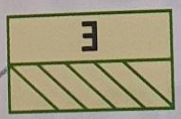
9. 

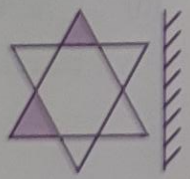
(a)  (b)  (c)  (d) 

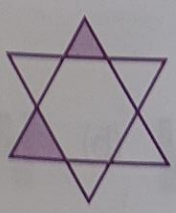
10. 

(a)  (b)  (c)  (d) 

11. 

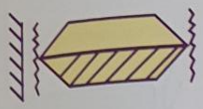
(a)  (b)  (c)  (d) 

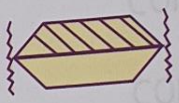
12. 

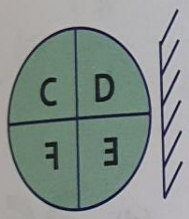
(a)  (b)  (c)  (d) 

13. IJK

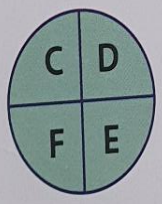
(a) KJI (b) KJI (c) IJK (d) IJK ✓

14. 

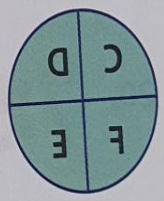
(a)  (b)  ✓ (c)  (d) 

15. 

(a) ✓ 

(b) 

(c) 

(d) 

16. Z

(a) N (b) Z ✓ (c) Z (d) N

17.

(a)

(b)

(c)

(d)

18. COMPUTER

(a) RETUPMOC

(b) RETUPMOC

(c) COMPUTER

(d) COMPUTER

19. 96

(a) 96 (b) 96 (c) 96 (d) 96

20. 7:56

(a) 7:56 (b) 7:56 (c) 7:56 (d) 7:56

21. 1234

(a) 1234 (b) 1234 (c) 1234 (d) 1234

22. F5G7H9

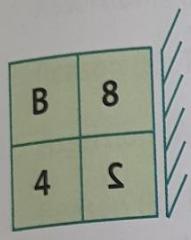
(a) F5G7H9 ✓

(b) 9H7G5F

(c) 9H7G5F

(d) 9HFG57

23.



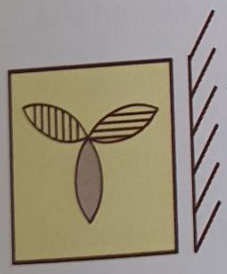
(a) 8 B / 2 4 ✓

(b) B 8 / 4 2

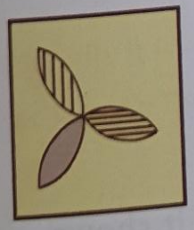
(c) B 8 / 4 2

(d) B 8 / 4 2

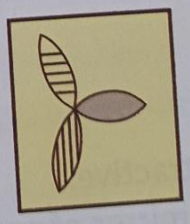
24.



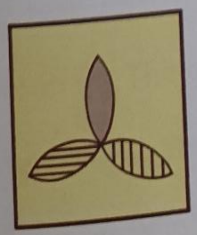
(a)



(b)



(c)



(d) ✓



25.



(a)



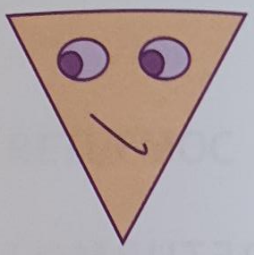
(b)



(c)



(d)





BRAIN BOOSTER

Why is the word AMBULANCE written on the front portion of ambulance as a mirror image? Choose the correct option.



(a) It looks attractive.

(b) Rear view mirror of any other vehicle in front of it shows AMBULANCE.

(c) The van is going back to hospital.

(d) The patient's health is down.

CHAPTER 8:

PATTERNS AND SYMMETRY

Exercise 8.1

1. Extend the pattern.

a. 

b. 2, 4, 6, 2, 4, 6, 2, 4, 6, ... 2 ....., ... 4 ....., ... 6 .....

c. 

d. 

103

2. Circle the object which is not at the correct place in the given repeated pattern.

a. 

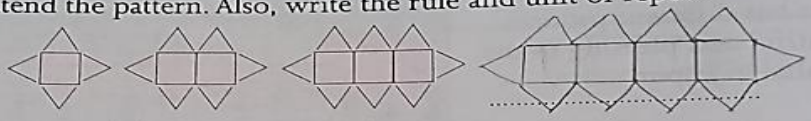
b. 1, 2, 3, 4, 5, 1, 2, 3, 4, 5, 1, 2, 3, (5) 1, 2, 3, 4, 5

c. 

(1+W3) Create a pattern repeated thrice using the given shapes. 

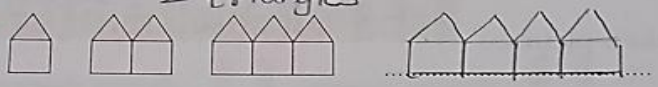
Exercise 8.2

1. Extend the pattern. Also, write the rule and unit of repeat.

a. 

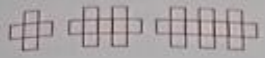
Rule: Add 1 square and 2 triangles

Unit of Repeat: 1 square and 2 triangles

b. 

Rule: Add 1 square 1 triangle

Unit of Repeat: 1 square and 1 triangle



Rule: .....

Unit of Repeat: .....

d. 5, 10, 15, 20, 25, 30, 35, 40

Rule: Add 5

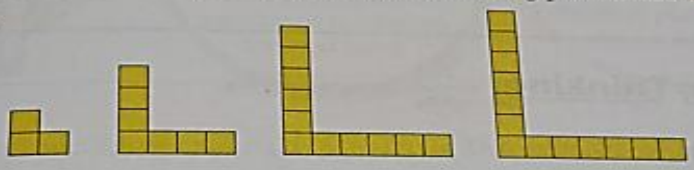
Unit of Repeat: 5

e. 21, 28, 35, 42, 49, 56, 63, 70

Rule: Add 7

Unit of Repeat: 7

2. Write **YES** if the given pattern is a decreasing pattern and **NO** if it is not.

a. 

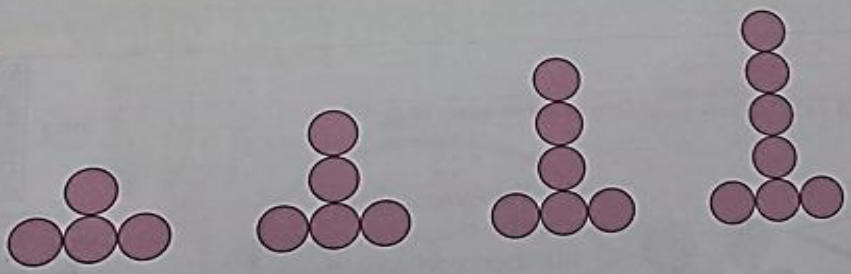
NO

b. 

YES

c. 

YES

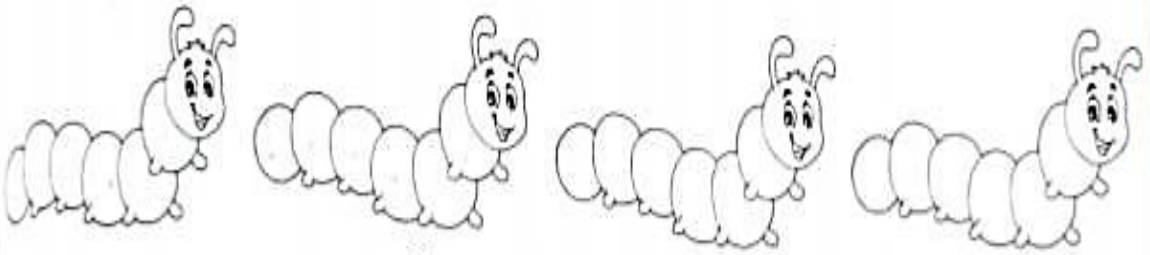
d. 

NO

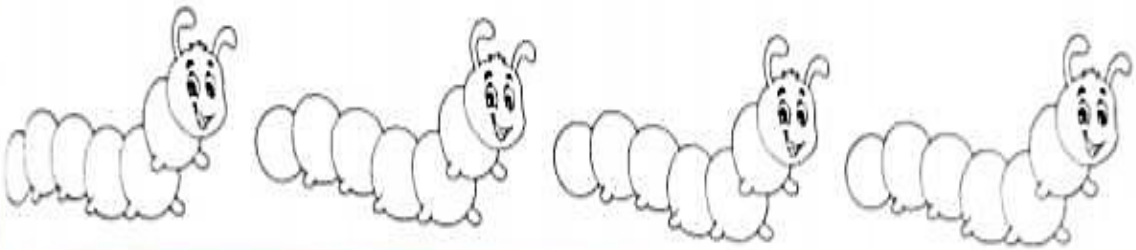
(H W)

3. Colour the body of the caterpillar as directed.

Increasing Pattern



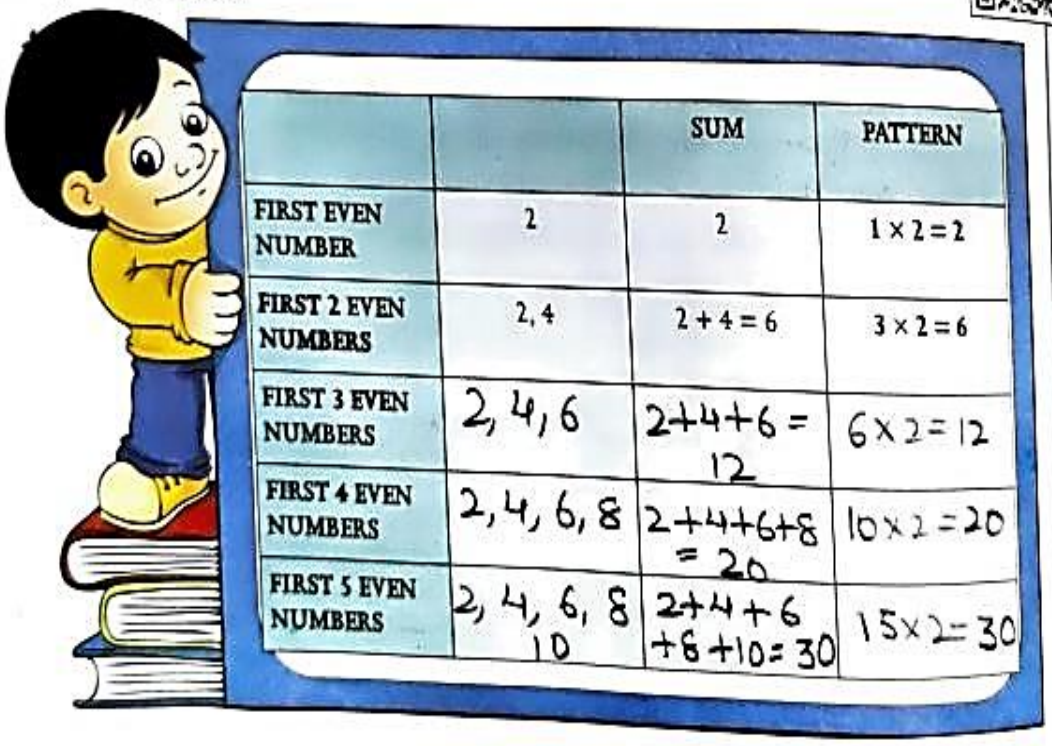
Decreasing Pattern



Exercise 8.3

INT

1. Complete the table.



		SUM	PATTERN
FIRST EVEN NUMBER	2	2	$1 \times 2 = 2$
FIRST 2 EVEN NUMBERS	2, 4	$2 + 4 = 6$	$3 \times 2 = 6$
FIRST 3 EVEN NUMBERS	2, 4, 6	$2+4+6 = 12$	$6 \times 2 = 12$
FIRST 4 EVEN NUMBERS	2, 4, 6, 8	$2+4+6+8 = 20$	$10 \times 2 = 20$
FIRST 5 EVEN NUMBERS	2, 4, 6, 8, 10	$2+4+6+6+10 = 30$	$15 \times 2 = 30$

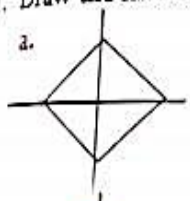
2. Circle the letter that should come next in the pattern.

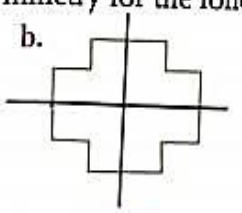
BABABABABABABABABABAB	(A)	B	C
ABBABBABBABBABBABB	(A)	B	C
CABCABCABCABCABCABCA	A	(B)	C
AABCAABCAABCAABCAAB	A	B	(C)
ABCCABCCABCCABCCABCCAB	A	B	(C)

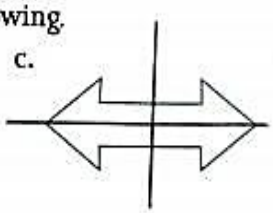
INT

Exercise 8.4

1. Draw the line of symmetry for the following.

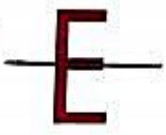
a. 

b. 

c. 

d. 

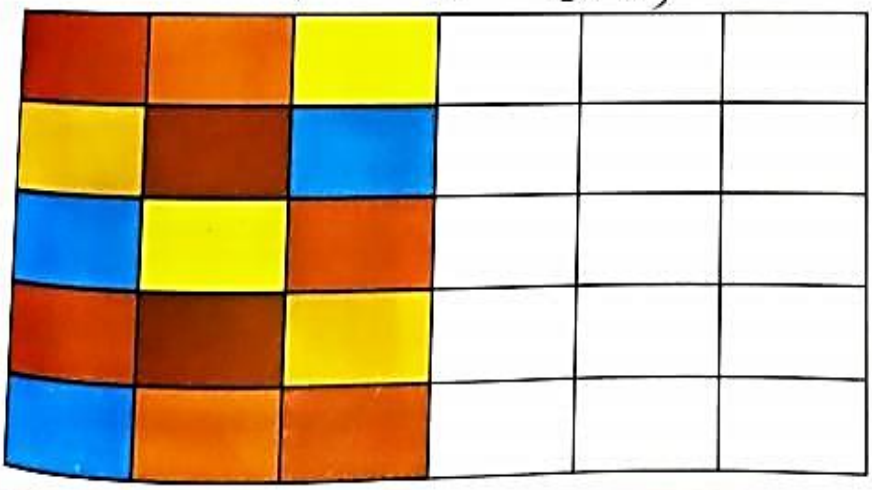
e. 

f. 

g. 

h. 

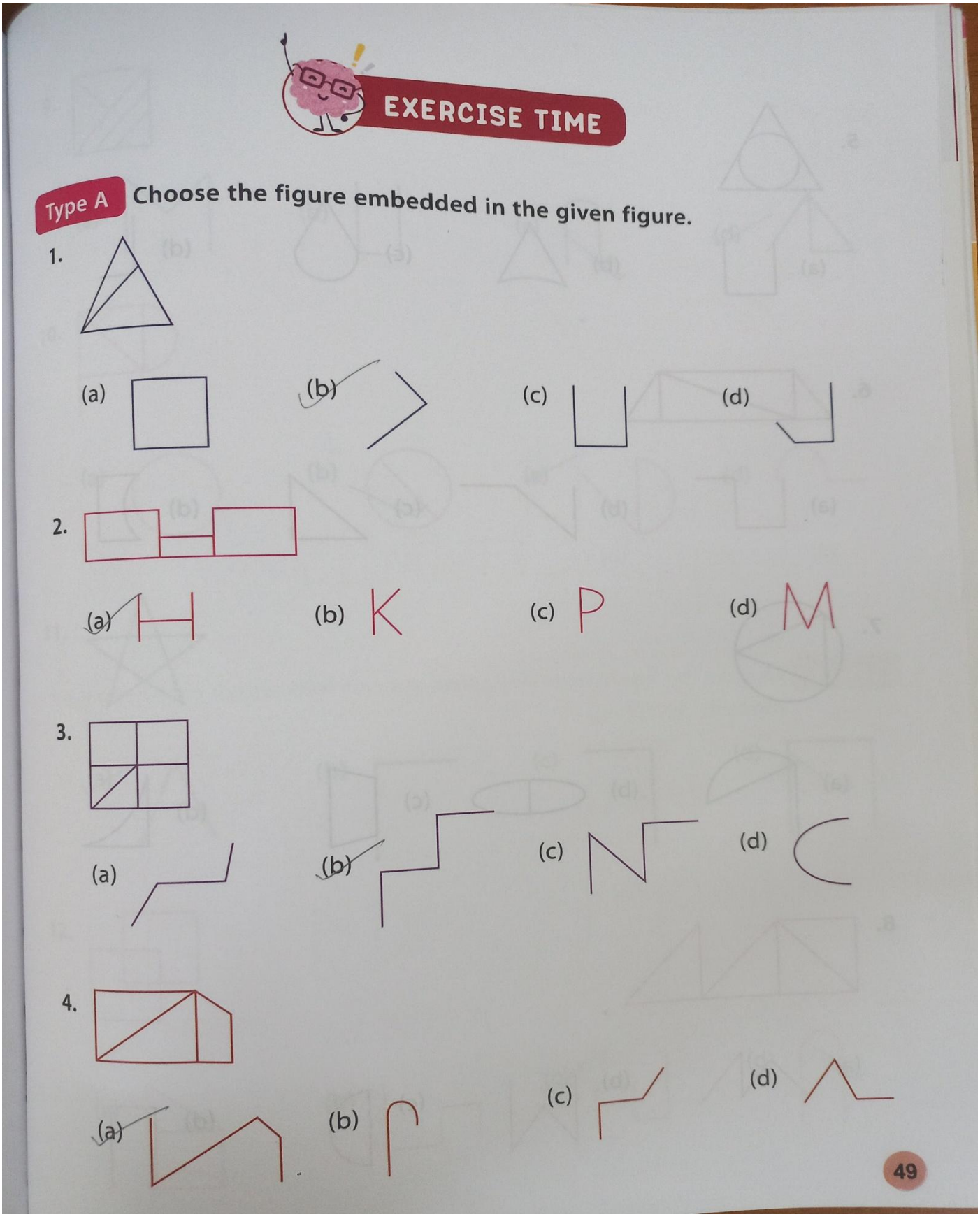
2. Use colours to make a symmetrical pattern. (H·W)



INT

Thinking Skills

Ch:5 Embedded Figures



EXERCISE TIME

Type A Choose the figure embedded in the given figure.

1.

(a) (b) (c) (d)

2.

(a) (b) (c) (d)

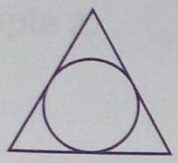
3.

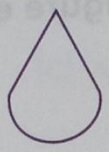
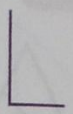
(a) (b) (c) (d)

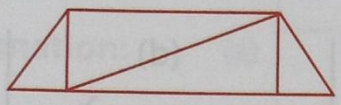
4.

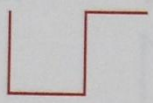
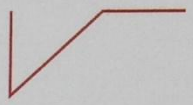
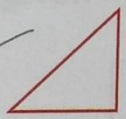
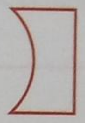
(a) (b) (c) (d)

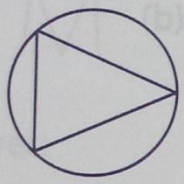
49

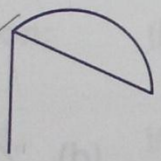
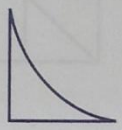
5. 

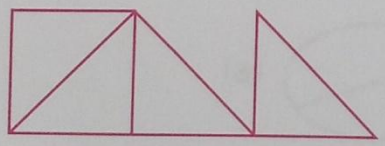
(a) 
(b) 
(c) 
(d) 

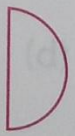
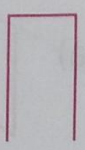
6. 

(a) 
(b) 
(c) 
(d) 

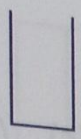
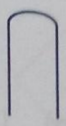
7. 

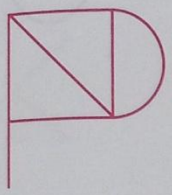
(a) 
(b) 
(c) 
(d) 

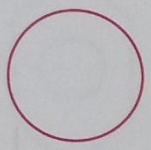
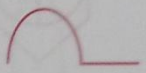
8. 

(a) 
(b) 
(c) 
(d) 

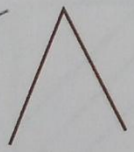
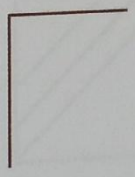
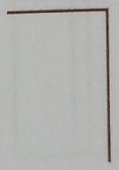
9. 

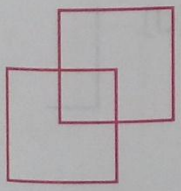
(a)  (b)  (c)  (d) 

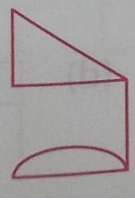
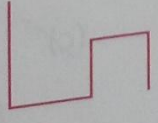
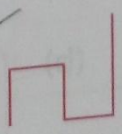
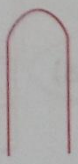
10. 

(a)  (b)  (c)  (d) 

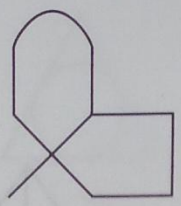
11. 

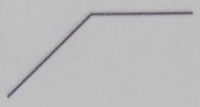
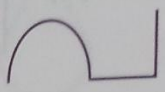
(a)  (b)  (c)  (d) 

12. 

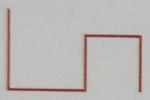
(a)  (b)  (c)  (d) 

51

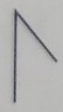
13. 

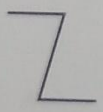
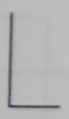
(a)  (b)  (c)  (d) 

14. 

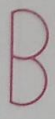
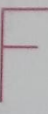
(a)  (b)  (c)  (d) 

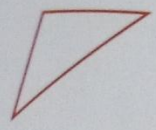
Type B **Choose the figure from the given options into which the given figure embeds perfectly.**

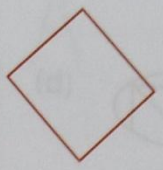
15. 

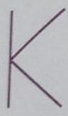
(a)  (b)  (c)  (d) 

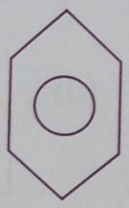
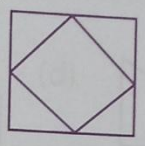
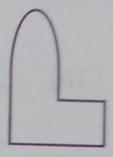
16. 

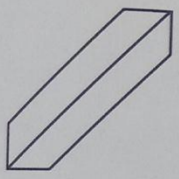
(a)  (b)  (c)  (d) 

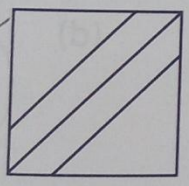
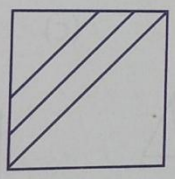
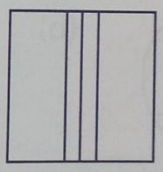
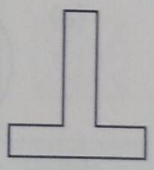
17. 

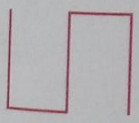
(a)  (b)  (c)  (d) 

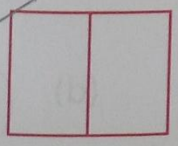
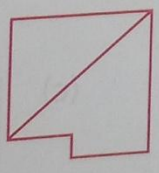
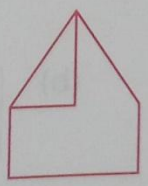
18. 

(a)  (b)  (c)  (d) 

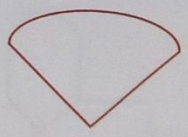
19. 

(a)  (b)  (c)  (d) 

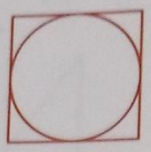
20. 

(a)  (b)  (c)  (d) 

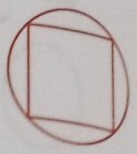
21.

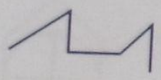


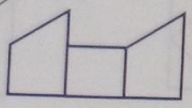
(a) 

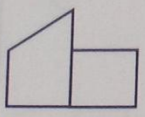
(b) 

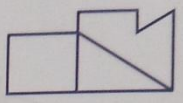
(c) 

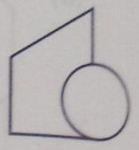
(d) 

22. 

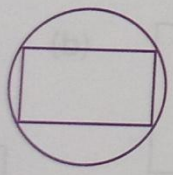
(a) 

(b) 

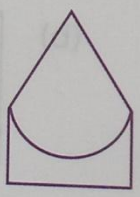
(c) 

(d) 

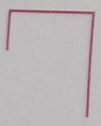
23. 

(a) 

(b) 

(c) 

(d) 

24. 

(a) W

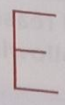
(b) F

(c) D

(d) G

25. 

(a) 

(b) 

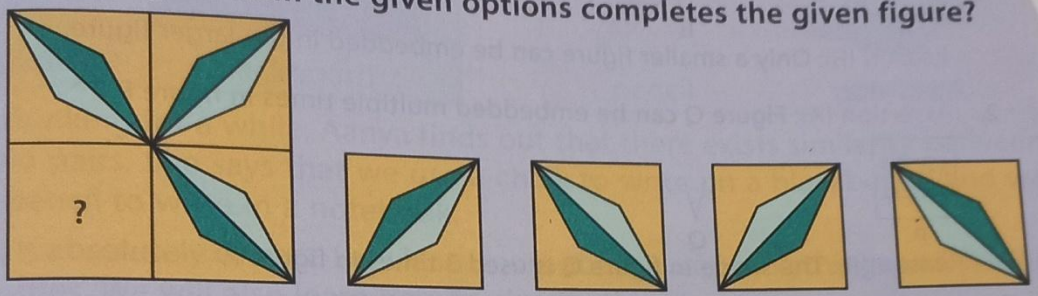
(c) 

(d) 

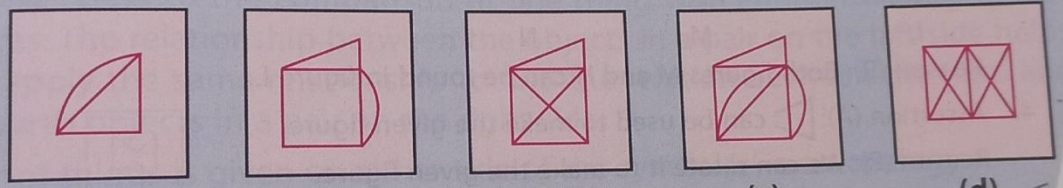


BRAIN BOOSTER

1. **Which figure from the given options completes the given figure?**



2. **Select the figure into which figure (X) embeds perfectly.**



CHAPTER 9 - MEASUREMENTS

Notebook work:

Measuring units:

Length	1 m = 100 cm
Length	1km = 1000 m
Weight	1kg = 1000 g
Capacity	1 ℓ = 1000 mℓ

Exercise 9.1

Q1. Write the correct unit of measurement for the following.

a. Length of a table cloth: m

b. Weight of an apple: g

e. Capacity of a spoon: mℓ

Q2. Textbook (Self Practice)

Conversion of units [Notebook work]

- To convert higher units of measurement to smaller units of measurement, we **multiply**.
- To convert smaller units of measurement to higher units of measurement, we **divide**.

Exercise 9.2

Q1 Fill in the blanks.

a. 1 litre = _____mℓ Ans: 1 litre = **1000 mℓ**

c. 15 m = _____cm

1 m = 100 cm

15 m = (15 × 100) cm

= 1500 cm

f. 7 kg = _____g

1 kg = 1000 g

7 kg = 7 × 1000 g

= **7000 g**

Q2. Convert the following as directed.

a. 156 cm into m and cm

1 m = 100 cm

156 cm = 156 ÷ 100

= **1 m 56 cm**

c. 5267 km into km and m

1 km = 1000 m

= 5267 ÷ 1000

= **5 km 267 m**

d. 3178 ml into ℓ and ml

1 ℓ = 1000 mℓ

3178 mℓ = 3178 ÷ 1000 ℓ

= **3 ℓ 178 mℓ**

f. 6719 g

1 kg = 1000 g

= 6719 ÷ 1000

= **6 kg 719 g**

Q3. My kites ---------- in centimetres?

Solution:

Height of kite flew in the sky = 30 m

1 m = 100 cm

30 m = 30 × 100 cm

= **3000 cm**

Q4. The weight---------- in grams?

Solution:

Weight of watermelon = 2 kg

1 kg = 1000 g

2 kg = 2 × 1000 g

= 2000 g

Exercise 9.3

Q1 Solve the following.

a)

Kg
4
+ 2
6 kg

b)

Cm
3 4 2
- 1 5 0
1 9 2 cm

c)

mℓ
5 0 0
+ 3 2 4
8 2 4 mℓ

f)

kg
9
- 6
3 kg

Q2 State whether the following statements are true or false.

a. If 1ℓ of milk is added to 2 ℓ of milk, then the quantity of milk is 3 ℓ.

Ans: True

c. 580 cm + 340 cm = 920 cm

Ans: True

e. 780 g – 670 g = 120 g

Ans: False

Delhi Public School Gandhinagar

Academic session (2026-27)

Class: III

Study Materials

TERM II

OCTOBER: 2026

Subject: MATHS

CHAPTER 5: DIVISION

NOTEBOOK WORK
KEY POINTS:

- Division is repeated **subtraction.**
- The answer of division is **quotient**.
- Dividend ÷ divisor = quotient

EXERCISE:5.1



1. Solve the given problems using repeated subtraction method.

a) 18 ÷ 6
18 – 6 = 12 -----1
12 – 6 = 6 ----2
6 – 6 = 0 ----3
So, 18 ÷ 6 = 3

f) 60 ÷ 1 0
60 – 10 = 50 ----1
50 – 10 = 40 ----2
40 – 10 = 30 ----3
30 – 10 = 20 ----4
20 – 10 = 10 ----5
10 – 10 = 0 ----6
So, 60 ÷ 10 = 6

2. Say Yes or No for each statement. Write the correct answer for the incorrect statement in the blanks.

a. 36 ÷ 4 = 8
Ans: No, correct answer is 9

b. 80 ÷ 8 = 10
Ans: Yes

3. Help Manisha and her friends solve these garden puzzles.

a. There are 15 butterflies in total in a garden. On one flower, there are 3 butterflies each. How many flowers are there in the garden?

Solution:
Number of butterflies = 15
Number of butterflies on one flower = 3
Number of flowers = 15 ÷ 3 = 5

Ans: There are 5 flowers in the garden.

EXERCISE 5.2

1. Match the following with the correct term.

a) 24 ÷ 8 , here the quotient is	i) 9
b) 21 ÷ 3 , here the dividend is	ii) 4
c) 49 ÷ 7, here the remainder is	iii) 21
d) 81 ÷ 9 , here the quotient is	iv) 0
e) 36 ÷ 4 , here the divisor is	V) 3

a) v b) iii c) iv d) i e) ii

EXERCISE 5.3(omitted)

EXERCISE 5.4

1. Fill in the blanks.

a) If 30 ÷ 5 = 6, then 6 x 5 = 30

c) If 56 ÷ 7 = 8, then 8 x 7 = 56

e) If 20 ÷ 5 = 4, then 20 ÷ 4 = 5

3. Vasu gave 20 biscuits to 4 dogs to eat. Each dog got 5. If he has to give 30 biscuits to 5 dogs, then how many biscuits will each dog get?

Solution:
Number of biscuits if he has to give = 30
Number of dogs = 5
Number of biscuits each dog got = 30 ÷ 5 = 6
Ans: Each dog got 6 biscuits.

EXERCISE 5.5

1. Divide.

a)

	0 6	
7	4 2	
-	0	
	4 2	
-	4 2	
	0 0	

d)

	2 1	
4	8 4	
-	8	
	0 4	
-	4	
	0	

2. Divide the following using long division method. Write the quotient and the remainder.

a)

	0 4	
5	2 4	
-	0	
	2 4	
-	2 0	
	0 4	

Quotient = 4 Remainder = 4

C)

	1 1	
7	8 1	
-	7	
	1 1	
-	7	
	0 4	

Quotient = 11 Remainder = 4

3. Fill in the blanks.

a) 85 ÷ 6 gives quotient = 14 remainder = 1

c) 26 ÷ 7 gives quotient = 3 remainder = 5

e) 75 ÷ 2 gives quotient = 37 remainder = 1

4. Match the following with their remainder.

a) 34 ÷ 3	i 0
b) 29 ÷ 8	ii 4
c) 16 ÷ 4	iii 1
d) 70 ÷ 6	iv 5

Ans: a) iii b) iv c) i d) ii

EXERCISE 5.6

1. Divide

a) 648 ÷ 8

	0	8	1
8	6	4	8
-	0		
	6	4	
-	6	4	
	0	0	8
-			8
			0

Quotient = 81 Remainder = 0

c) 528 ÷ 3

	1	7	6
3	5	2	8
-	3		
-	2	2	
	2	1	
	0	1	8
-		1	8
		0	0

Quotient = 176 Remainder = 0

d) 724 ÷ 4 **(H.W)**

2. Divide the following using long division method. Write the quotient and the remainder.

b) 261 ÷ 6

	0	4	3
6	2	6	1
-	0		
	2	6	
-	2	4	
	0	2	1
-		1	8
		0	3

Quotient = 43 Remainder = 3

d) 956 ÷ 9

	1	0	6
9	9	5	6
-	9		
	0	5	
-		0	
	0	5	6
-		5	4
	0	0	2

Quotient = 106 Remainder = 2

3. Solve the following and connect the arrows.

a. 619 ÷ 7 i) Quotient = 304 No Remainder
b. 831 ÷ 4 ii) Quotient = 88 Remainder = 3
c. 912 ÷ 3 iii) Quotient = 207 Remainder = 3

Ans: a – ii, b – iii, c – i

4. self practice

EXERCISE 5.7 (omitted)

EXERCISE 5.8

1. Using properties of division, solve the following.
   a) $45 \div 1 =$ **45**
   b) $78 \div 78 =$ **1**
   c) $0 \div 3 =$ **0**

2. Fill in the blanks with the correct answer.
   b) Joya has 60 chocolates for 60 days, so for 1 day she has _____ chocolates.
   Ans 60 ÷ 60 = 1
   c) It is_____ possible to get 3 as an answer if we divide 34 by 34.
   Ans Not

3. i) What quotient do we get on dividing 99 by 1?
   a. 1 b. 4 c. 99 d. 0
   Ans c. 99
   ii) What happens when we divide 600 by 600?
   a. We sometimes get 1.
   b. We always get 1.
   c. We get a magic candy from Santa.
   Ans b. We always get 1.
   iii) How do we quickly solve this $0 \div 10$?
   a. We use number line.
   b. We use long division.
   c. We know it is 0 from properties of division
   Ans c. We know it is 0 from properties of division

EXERCISE 5.9

1. State True or False.
   a. Any number divided by 10 leads to 1 being the answer. _____
   Ans: **False**
   b. $450 \div 10$ will give 45 as the remainder. ____
   Ans: **False**
   c. $5610 \div 10 = 561$. _____
   Ans: **True**

2. Help Froggie to quickly divide the following division sums.
   a. $245 \div 10$: Quotient = ___, Remainder = ___.
   Ans: Q =24, R = 5
   b. $871 \div 10$: Quotient = ____, Remainder = ___.
   Ans: Q = 87, R = 1
   e. $9300 \div 10$: Quotient = ___, Remainder = ___.
   Ans: Q = 930, R = 0

EXERCISE 5.10

1. I have 18 balloons. I tie equal number of balloons on 3 poles. How many balloons

does each pole have?
Solution:
Number of balloons = 18
Number of poles = 3
Number of balloons each pole has = 18 ÷ 3 = 6
Ans: Each pole have 6 balloons.

2.Olivia had 60 dresses. She donated the dresses to 4 organizations equally. How many did she give to each organization?
Solution:
Number of dresses Olivia had = 60
Number of organizations = 4
Number of dress gave to each organization = 60 ÷ 4 = 15
Ans: She gave 15 dresses to each organization.

COMPETENCY BASED QUESTIONS

I Choose the correct answer

1 When an odd number is divided by 2 there is always a remainder of _____

a) 0 **b) 1** c) 2 d) 3

2 If you are at 21 and have to do repeated subtraction by 7, how many times do we subtract 7 to reach 0?

a) 3 b) 4 c) 5 d) 6

II Answer in one word

1 I am a mysterious number. I hide between 30 and 40, I am odd, and I am divisible by 5. Who am I?"

Ans: Odd numbers between 30 and 40 = **31,33,35,37,39**

Number divisible by 5 = **35**

2 ▲ ÷ ★ = 5

★ × ★ = 25

▲ = ?

Ans: 5 × 5 = 25,

so ★ = 5

25 ÷ 5 = 5

so ▲=25

III Solve the following

1 Find the quotient and remainder when the largest 4-digit number is divided by the smallest 2-digit number.

Ans: largest 4 – digit no: 9999

Smallest 2 – digit no: 10

So 9999 ÷ 10

Q =999, R =9

2 i. Calculate the number of weeks in 56 days.

Solution:

7 days = 1 week

So, 56 days = 56 ÷ 7 = **8 weeks**

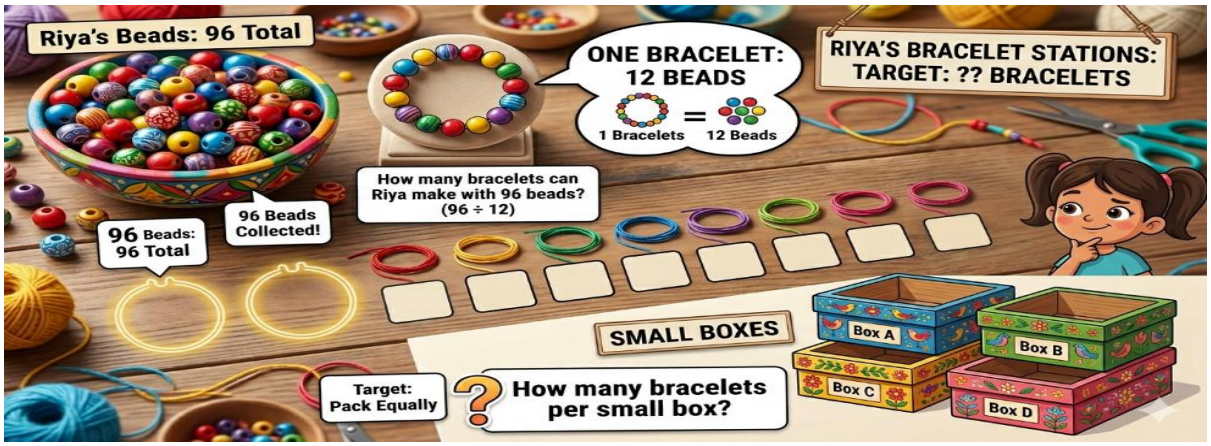
ii. Write 2 division statements for the given multiplication fact.

8 × 3 = 24

Ans: **24 ÷ 3 = 8**

24 ÷ 8 = 3

IV Case study



Riya has 96 beads. She used 12 beads to make one bracelet. For friendship day, she packs the bracelet equally into 4 boxes as gifts for her friends.

1 How many bracelets can Riya make with 96 beads?

Ans : 96 ÷ 12= **8 bracelets**

2 How many bracelets will Riya pack in each box?

Ans 8 (bracelets) ÷ 4 (boxes) = **2 bracelets in each box**

3 How many beads are needed to make 2 more bracelets?

Solution:

For 1 bracelet = 12 beads,

For 2 bracelets = 2 × 12 = **24 beads**

4 Riya needs 120 beads to make 10 bracelets. (**True** / False)

REFLECTION:

I have learnt

- ❖ the terms of division and
- ❖ properties of division.
- ❖ to divide 2 and 3- digit numbers by 1- digit number.

CHAPTER 6 - FRACTIONS

NOTEBOOK WORK:

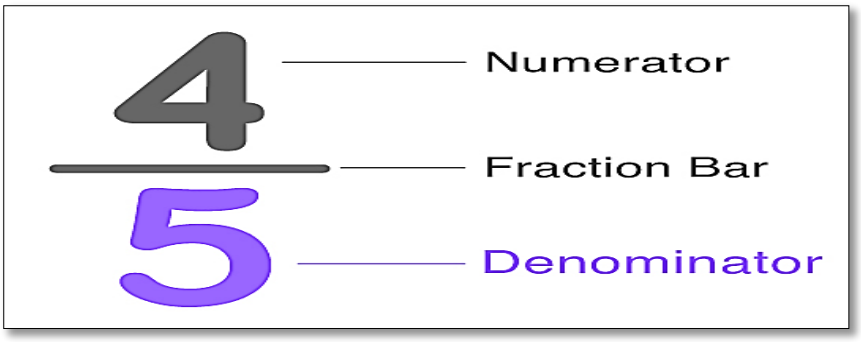
DEFINITIONS: -

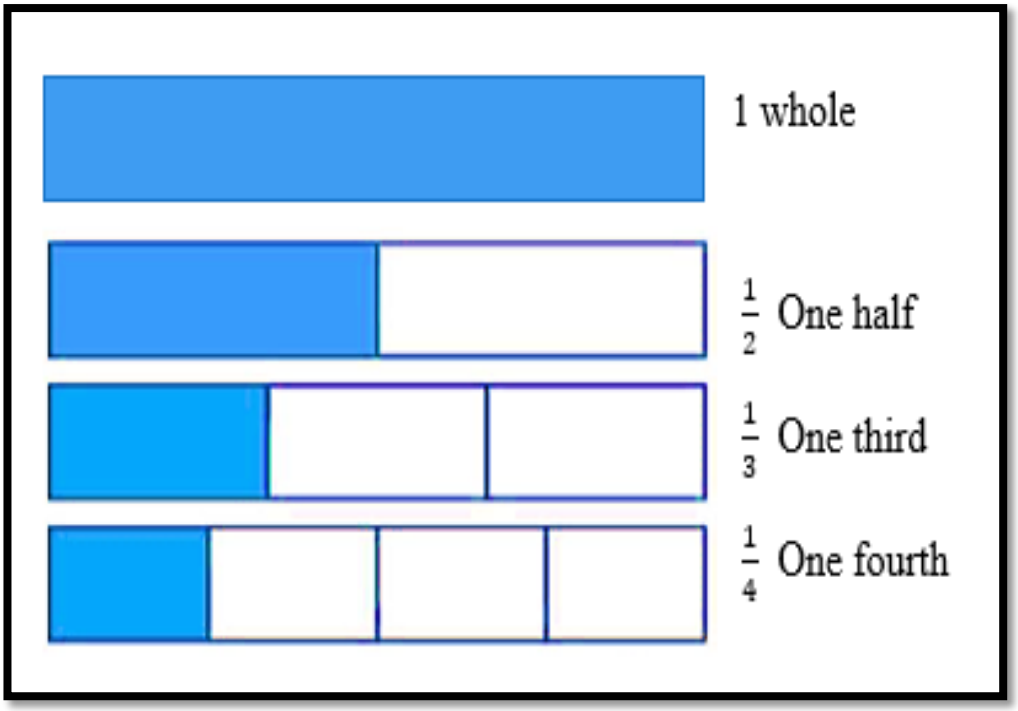
1. **Fraction** is a number that expresses equal parts of a whole object.

2. The number above the fraction bar is called the **Numerator.**

3. The number below the fraction bar is called the **Denominator.**

REPRESENTION OF FRACTIONS:



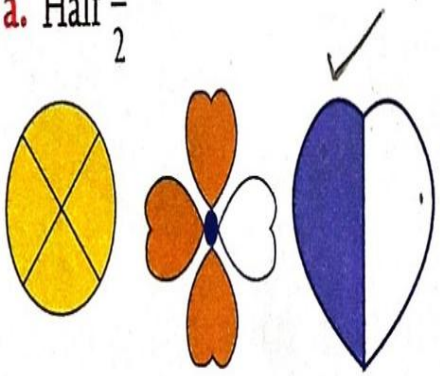


TEXTBOOK WORK:

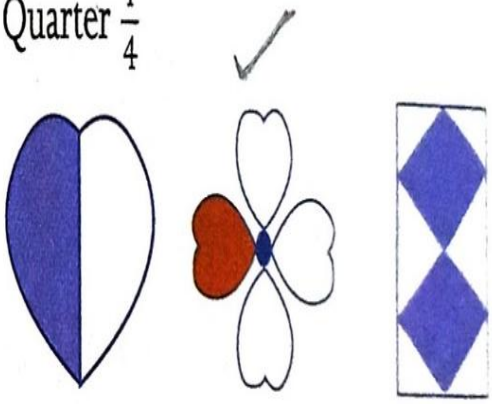
Exercise 6.1

1. Identify which of the following figures represents the shaded region as given belo

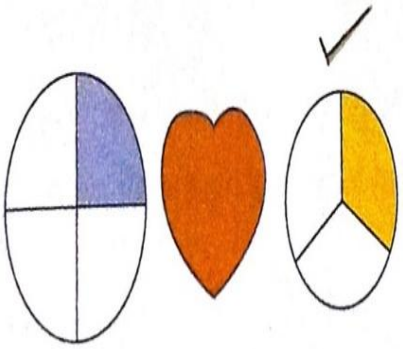
a. Half $\frac{1}{2}$



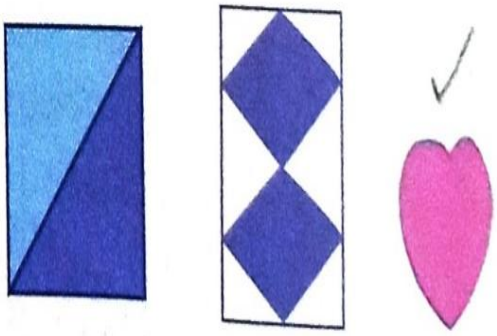
b. Quarter $\frac{1}{4}$



c. One-third $\frac{1}{3}$

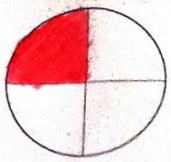


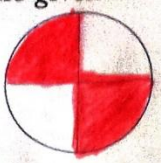
d. Whole

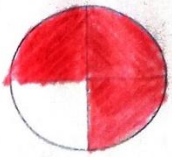


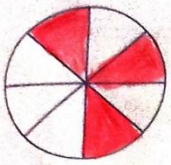
84

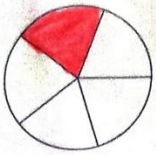
2. Colour the figure to represent the given fractions.

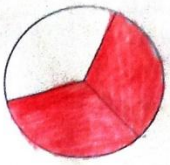
 $\frac{1}{4}$

 $\frac{2}{4}$

 $\frac{3}{4}$

 $\frac{3}{8}$

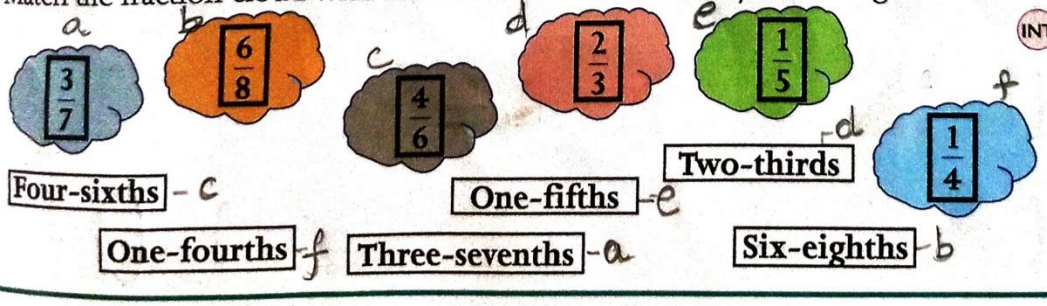
 $\frac{1}{5}$

 $\frac{2}{3}$

3. Write down what fraction of the figure is painted.

	$\frac{2}{7}$	$\frac{3}{7}$	$\frac{1}{7}$	$\frac{1}{7}$
	$\frac{2}{20}$	$\frac{6}{20}$	$\frac{9}{20}$	$\frac{3}{20}$
	$\frac{4}{14}$	$\frac{2}{14}$	$\frac{4}{14}$	$\frac{4}{14}$
	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{2}{7}$	$\frac{3}{7}$

4. Match the fraction cloud with the correct number name by colouring them alike.



Four-sixths – c

One-fifths – e

Two-thirds – d

One-fourths – f

Three-sevenths – a

Six-eighths – b

Fraction as a Part of a Collection

Scientific Proficiency — Conceptual understanding

SVID



A collection is a group of things together.



This is a collection of 7 candles.

How many green candles are there? 3

So, the fraction used to represent green candles will be written as $\frac{3}{7}$.

How many red candles are there? 3

So, the fraction used to represent red candles will be written as $\frac{3}{7}$.

Exercise 6.2

1. Which part of the set do the coloured objects represent? Circle the correct option.

a. 

$\frac{1}{3}$ | $\frac{3}{4}$ | $\frac{1}{4}$

b. 

$\frac{2}{3}$ | $\frac{3}{5}$ | $\frac{1}{2}$

c. 

$\frac{3}{6}$ | $\frac{3}{7}$ | $\frac{1}{3}$

d. 

$\frac{4}{4}$ | $\frac{4}{8}$ | $\frac{1}{4}$

e. 

$\frac{1}{7}$ | $\frac{1}{6}$ | $\frac{6}{7}$

f. 

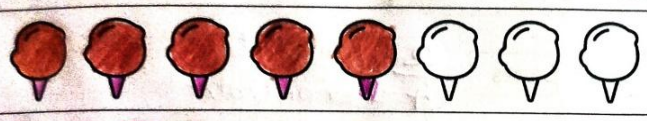
$\frac{2}{4}$ | $\frac{2}{3}$ | $\frac{1}{3}$

2. Shade the following pictures to represent the given fraction.

INT

a. $\frac{3}{4}$ 

b. $\frac{4}{7}$ 

c. $\frac{5}{8}$ 

d. $\frac{2}{9}$ 

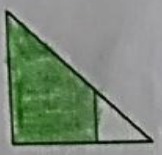
Exercise 6.3

1. Identify the figures which shows more than half and the ones which shows less than half.

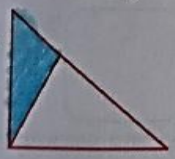
more than half more than half Less than half

a. 
b. 
c. 
d. 
e. 

2. Colour the part of the figure which shows more than half green.

a. 
b. 
c. 

3. Colour the part of the figure, which shows less than half blue.

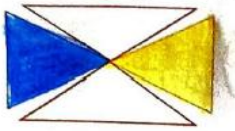
a. 
b. 
c. 

Exercise 6.4

Colour the given parts and represent the following in fractional forms. Also, write the numerator and denominator for the following fractions.

1. 

Five parts — $\frac{5}{8}$ (5 - Numerator, 8 - Denominator)

2. 

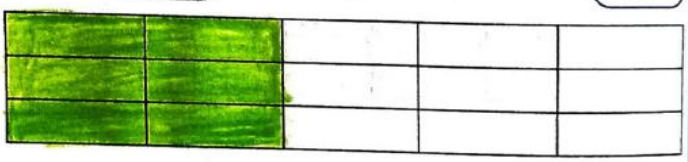
Two parts — $\frac{2}{4}$ (2 - Numerator, 4 - Denominator)

3. 

One part — $\frac{1}{2}$ (1 - Numerator, 2 - Denominator)

4. 

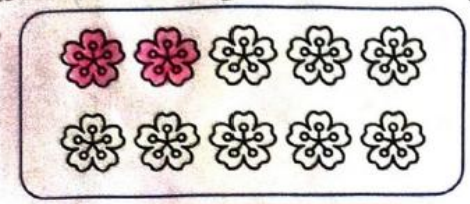
Three parts — $\frac{3}{4}$ (3 - Numerator, 4 - Denominator)

5. 

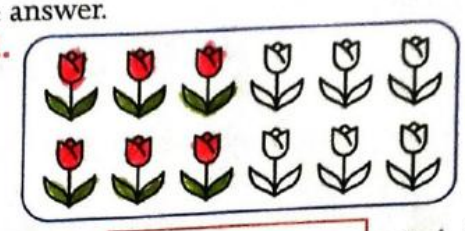
Six parts — $\frac{6}{15}$ (6 - Numerator, 15 - Denominator)

Exercise 6.5

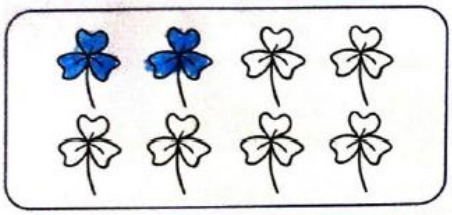
Solve the following and colour to represent the answer.

1. 

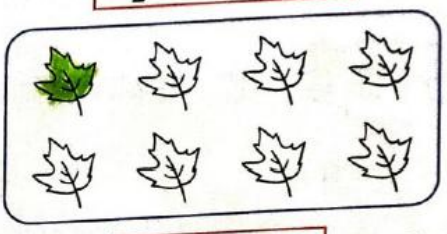
$\frac{1}{5}$ of 10 snowflakes $10 \div 5 = 2$

2. 

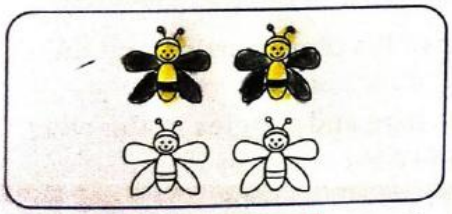
$\frac{1}{2}$ of 12 flowers $12 \div 2 = 6$

3. 

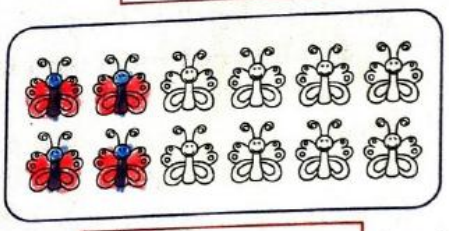
$\frac{1}{4}$ of 8 shamrock leaves $8 \div 4 = 2$

4. 

$\frac{1}{8}$ of 8 leaves $8 \div 8 = 1$

5. 

$\frac{1}{2}$ of 4 bees $4 \div 2 = 2$

6. 

$\frac{1}{3}$ of 12 butterflies $12 \div 3 = 4$

Doubling of 3 oranges results in 6 oranges.



Now, find the double of the following:

1. 2 apples
   = 4 apples
2. 4 pigeons
   = 8 pigeons
3. 5 pencils
   = 10 pencils
4. 8 cubes
   = 16 cubes

Maths Connect — Integrated Pedagogy — Science

DELHI PUBLIC SCHOOL, GANDHINAGAR
ACADEMIC SESSION 2026-27
CLASS III
MATHEMATICS
MY BUDDY
TERM-I

1.	**Chapter-1 Numbers**
2.	**Chapter-2 Addition**
3.	**Chapter-3 Subtraction**
4.	**Chapter-4 Multiplication**
5.	**Chapter-10 Time**
6.	**Half-Yearly Mock Test Paper**
7.	**CBE Worksheet**
8.	**SEA and AIL**

Delhi Public School, Gandhinagar
P.T-I Revision (2026-27)

Class: III	**Mathematics**	**Date:**
Time:		**M. Marks:**

Name: _____Sec: _____ Roll No.:_____

Chapter-1 Numbers

Choose the correct option:

1. The successor of 8789 is _____.

   a) 8799 b) 8788 c) 8790 d) 8989

2. The place value of 7 in 3753 is _____.

   a) 7 thousand b)7 hundreds c) 7 tens d) 7 ones

3. The standard form of 5 × 1000 + 6 × 100 + 2 × 1 is _____.

   a) 5621 b) 5620 c) 5602 d) 5612

4. Assertion (A): The successor of the greatest 4-digit number is the smallest 5-digit number.

   Reason (R): Successor of a number is 1 more than the number.

   (a) Both A and R. are true and R is the correct explanation of A

   (b) Both A and R are true, but R is not the correct explanation of A.

   (c) A is true, and R is false.

   (d) A is false, and R is true.

Section: B

5. Write the expanded form:

   4835 = _____.

6. Write in words:

   9912 =_____.

7. Write the numbers in ascending order:

   5675, 2576, 5265, 2657

_____.

Section: C

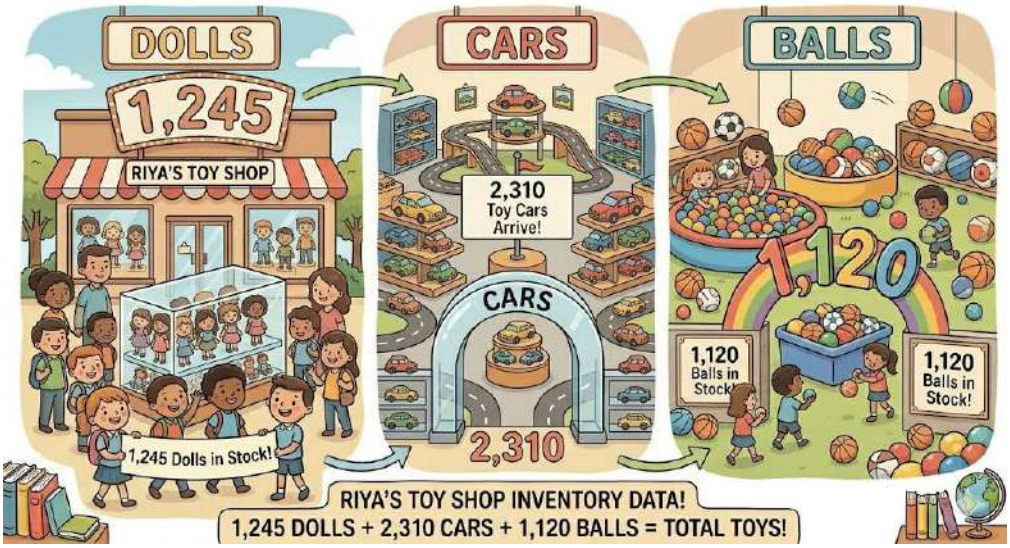
8. Find the number using the hints:
I am greater than 260 but less than 280.
When you add my first and third digits you will get 9. Which number am I?

Ans: _____.

Section: D

9. Case Study:

Riya's Toy Shop



Riya has a toy shop. She counted the toys in her shop 1,245 dolls ; 2,310 cars and 1,120 balls.

i) Which toy has the greatest number?

ii) Which toy has the smallest number?

iii) How many toys are there in total?

iv) Arrange the numbers in ascending order.
1,245; 2,310; 1,120

Chapter-2 Addition

Choose the correct option:

1. 238 more than 4750 is _____.

   a) 4350 b) 4788 c) 4988 d) 6758

2. The numbers which are added are called_____.

   a) addends b) product c) sum d) difference

3. When we add 1 to a number, we get _____ as the sum.

   a) predecessor b) successor c) 0 d) 1

4. Assertion (A): 5 + 3 = 8.
   Reason (R): When you add 5 to 3, you are combining 5 objects with 3 objects, resulting in 8 objects.

   (a) Both A and R. are true and R is the correct explanation of A

   (b) Both A and R are true, but R is not the correct explanation of A.

   (c) A is true, and R is false.

   (d) A is false, and R is true.

Section: B

5. Add the following**.**

	Th	H	T	0
	6	5	6	6
+	3	7	6	9

6. Find the sum:

   2 thousand 1hundred 5 tens 4 ones and 3thousands 3hundreds 9tens 5ones

7. Fill in the blanks:

a) 1567 + _____ =1567

b) 2014 + _____= 7870 + 2014

Section: C

8. a) When we add the smallest 4- digit number to the greatest 3- digit number, which digit is in the hundreds place of the sum obtained?

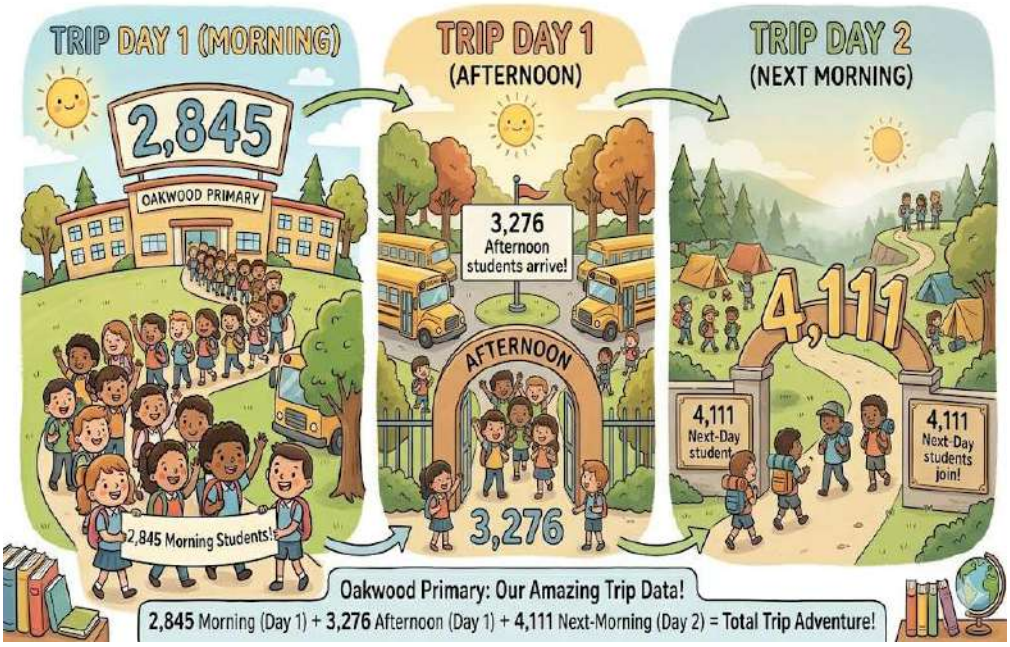
b) What number should be added to 999 to give the smallest four digit number?

Section: D

9. Case Study:

School Trip

A school arranged a trip. **2,845 students** went in the morning, **3,276 students** went in the afternoon and **4111 students** went in the next morning.



i) How many students went on the trip in total?

ii) If 1,500 more students joined in the trip**,** what will be the total number of students?

iii) How many students went on Morning 1 and afternoon?

iv)How many more students joined in Morning 2 in comparison to Morning1?

Delhi Public School, Gandhinagar
Half-Yearly Revision (2026-27)

Class: III	**Mathematics**	**Date:**
Time:		**M. Marks:**

Name: _____Sec:_____ Roll No.:_____

Section: A

Choose the correct option:

1. The number in which 3 is at hundreds place is _____.

   (a) 3487 (b) 3240 (c) 2354 (d) 8263

2. The standard form of 8000 + 80 is _____.

   (a) 8000 (b) 8080 (c) 8008 (d) 8050

3. The predecessor of 5000 is_____.

   (a) 5001 (b) 5010 (c) 4999 (d) 5002

4. **Assertion (A):** 3,999 + 1 = 4,000
   Reason (R): Adding 1 to the greatest 4-digit number gives the smallest 5-digit number.

   (a) Both A and R. are true and R is the correct explanation of A

   (b) Both A and R are true, but R is not the correct explanation of A.

   (c) A is true, and R is false.

   (d) A is false, and R is true.

Section: B

5. Form the smallest even number formed by the given digits 6, 7, 2, 8

6. Round off the number to the nearest 100's place:

   537

7. Write the number in words:
   9703 –

Section: C

8. Identify the number.

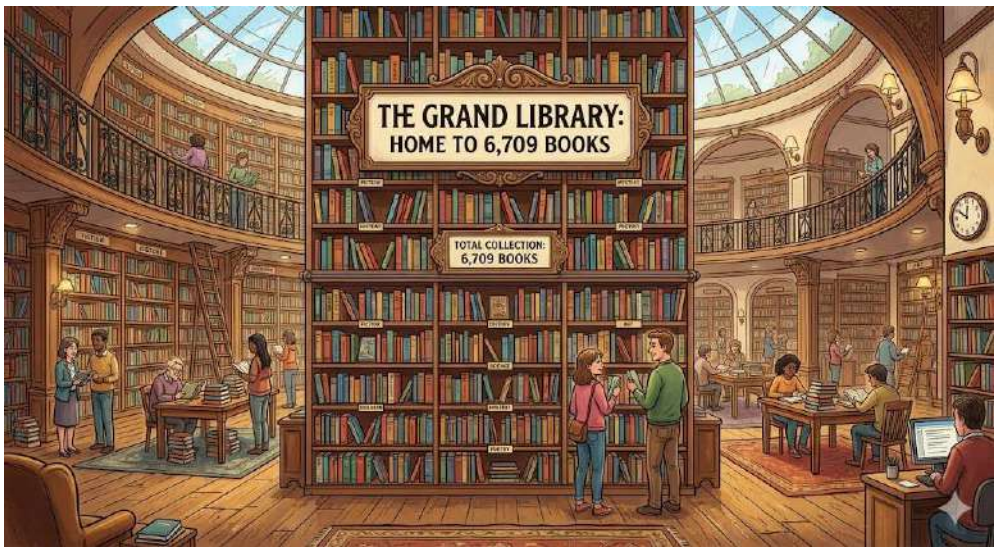
I am a 3-digit number.
Place value and Face value is 7. My first two digits form the largest 2-digit number.

Section: D

9. Case Study:

Library Books

A library has **6,709 books**.



1. What is the **place value of 7**?
2. Write the number in **expanded form**.
3. Is **6,709 greater or smaller than 6,790**?
4. What is the **predecessor** of 6790?

Chapter: 3 Subtraction

Choose the correct option

1. Fill in the missing number: 7500 - _____ = 7000

   (a) 7000 (b) 500 (c) 7050 (d) 7500

2. What will you get when you subtract the smallest 4-digit number from the greatest 4-digit number?

   (a) 9999 (b) 1000 (c) 8999 (d) 9899

3. If 0 is subtracted from 5620 the difference will be _____.

   (a) 0 (b) 6052 (c) 5260 (d) 5620

4. Assertion (A): If you have 15 apples and give away 7, you will have 8 apples left.
   Reason (R): Subtraction involves taking away a certain number from a total.

   (a) Both A and R are true and R is the correct explanation of A

   (b) Both A and R are true, but R is not the correct explanation of A.

   (c) A is true, and R is false.

   (d) A is false, and R is true.

Solve the following:

5. Subtract:

	Th	H	T	0
	6	4	6	6
-	2	1	2	0

6. Sapna purchased books and clothes for ₹ 2754. She gave ₹ 3000 to the shopkeeper. How much money will she get back?

7. Find 1682 +2063 -1888

Section: C

8. Fill in the empty boxes:

	Th	H	T	O
	7		2	
-	4	7	3	5
	2	7		9

Section: D

9. Case Study:
School Attendance

A school has **5,680 students**. On a rainy day, **2,495 students were absent**.



i) How many students were present?

ii) If **300 more students leave early**, how many students remain?

iii) How many **more students are present than absent**?

iv) If **350 more students become absent**, how many students will be present now?

Chapter :4 Multiplication

Section: A

Choose the correct option:

1. Choose the correct number ___ × 8 = 64

   a) 7 b) 8 c) 9 d) 6

2. If we multiply 0 by any number, the product is ____.

   a) 0 b) 1 c) same d) none of these

3. The number by which we multiply is called _____.

   a) multiplier b) product c) sum d) addends

4. Assertion(A): Multiplication is repeated addition.
   Reason (R): The result is called the product of multiplication.

   (a) Both A and R are true and R is the correct explanation of A

   (b) Both A and R are true, but R is not the correct explanation of A.

   (c) A is true, and R is false.

   (d) A is false, and R is true.

Section:B

5. Fill in the blanks:
   i) 8 × 1000 = _____

ii) 35 × _____ = 25 × 35

6. Multiply:

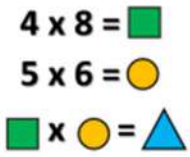
	4	2	3
×			2

7. A vegetable seller earns Rs 575 daily. How much money will he earn in 16 days? (write all statements)



Section:C

8. **Based on the equations given below, find the value of the triangle.**



a) 96 b) 720 c) 960 d) 992

Section: D

9. Case Study:

The Art Supply Challenge
The school's Art Club is organizing their supplies. Look at the chart below to see how many items are in **each** box.

Item	Items per Box	Number of Boxes
Crayons	10	5
Paint Brushes	4	8
Markers	6	3



The Art Teacher, Ms. Color, needs to know the **total number of Paint Brushes** and **Crayons** combined.

i) How many **Paint Brushes** are there in total?

ii) How many **Crayons** are there in total?

iii) If Ms. Color gives away **one full box of Markers**, how many markers does she have left?

Chapter 10 Time

Section:A

Choose the correct option:

1. How many days are there in a leap year?

   a) 366 b) 7 c) 365 d) 364

2. 1 month = ___days.

   a) 30 b) 12 c) 7 d) 6

3. How many minutes are there in 1 hour?

   a) 60 b) 20 c) 30 d) 40

4. Assertion (A): The minute hand takes 5 minutes to move from one number to the next on a clock face.
   Reason (R): There are 60 minutes in one hour and 12 numbers on the clock, so 60 ÷ 12 = 5

(a) Both A and R. are true and R is the correct explanation of A

(b) Both A and R are true, but R is not the correct explanation of A.

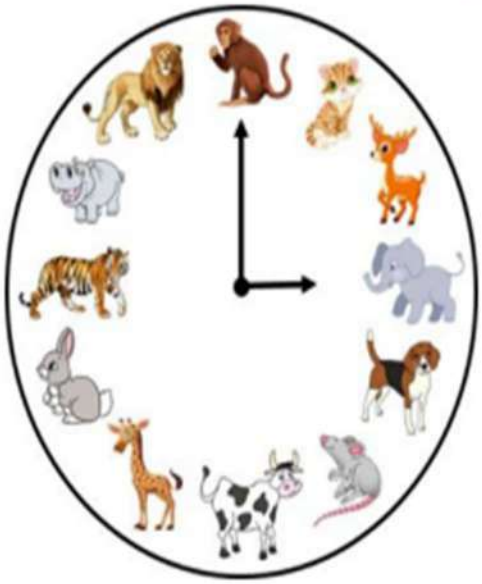
(c) A is true, and R is false.

(d) A is false, and R is true.

Section:B

5. Ram and Geeta have been friends for 2 years. How many months make 2 Years?

6. **Which animals will the clock point towards at 7:00 AM?**



7. Write the time in two ways:

i) _____

ii) _____



Section:C

8. Rahul’s favourite cartoon starts at **5:30 PM** and ends at **6:15 PM**.

i) How many minutes long is the show?

ii)Draw two clock faces: one showing the start time and one showing the end time.

Section:D

9. ## Case Study:
The Great Birthday Countdown

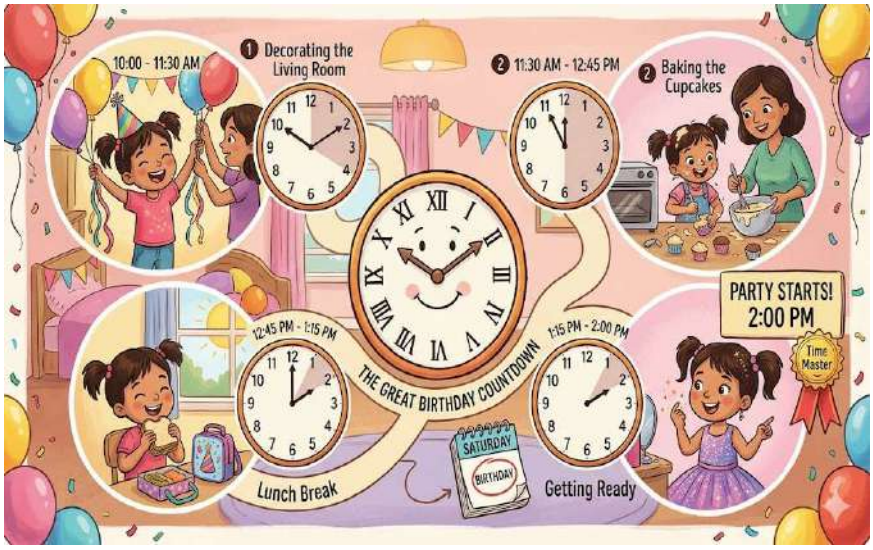
Maya was so excited! Her 9th birthday party was finally happening this Saturday. Her mom gave her a special **"Party Schedule"** to help her keep track of the day.

"If you can follow the clock and finish every task on time, you'll earn a special 'Time Master' prize!" her mom promised. Maya looked at her analog watch and got to work.

Maya’s Party Schedule

Activity	Start Time	End Time
Decorating the Living Room	10:00 AM	11:30 AM

Baking the Cupcakes	11:30 AM	12:45 PM
Lunch Break	12:45 PM	1:15 PM
Getting Ready (Dress up!)	1:15 PM	2:00 PM
Party Starts!	**2:00 PM**	--



1. Look at the table above. Maya just started her first task. What time is shown on the wall clock?

2. Maya spent from **10:00 AM to 11:30 AM** decorating. How many hours and minutes did she spend putting up balloons and streamers?

3.The cupcakes take exactly **1 hour and 15 minutes** to bake and cool. If Maya starts them at 11:30 AM, will she be finished by her 12:45 PM lunch break?

4.Maya's lunch break is from 12:45 PM to 1:15 PM. How many **minutes** long is her lunch break?

Delhi Public School, Gandhinagar
Half-Yearly Mock Test-Paper(2026-27)

Class: III	**Mathematics**	**Date:**
Time:		**M. Marks: 50**

Name: _____Sec: _____ Roll No.:_____

Section A consists of 13 questions of 1 mark each

1. The successor of 1289 is _____. 1

   a) 1288 b) 1290 c) 1291 d) 1292

2. The numbers that are added are called _____. 1

   a) sum b) product c) addends d) difference

3. 100 less than 6548 is _____ 1

   a) 6448 b) 6458 c) 6658 d) 7548

4. When 1 is subtracted from a number, we get the _____of the given number. 1

   a) successor b) predecessor c) product d) difference

5. The answer of subtraction is called _____. 1

   a) difference b) sum c) addends d) number

6. The smaller number in subtraction is called _____. 1

   a) subtrahend b) minuend c) difference d) none of these

7. $15 \times 23 =$ ___ $\times 15$ 1

   a) 15 b) 23 c) 1 d) 0

8. The number by which a number is multiplied is called _____. 1

   a) multiplier b) multiplicand c) product d) quotient

9. 18/June/2026 is written as: 1

   a) 18/6/26 b) 6/18/26 c) 2026/18/6 d) 2026/6/18

10. The face of a clock is divided into four parts and each part is called a _____. 1

    a) half b) quarter c) whole d) three-fourths

11. 1 hour = _____ minutes. 1

    a) 15 b) 30 c) 45 d) 60

12. Assertion (A): A half-hour is the same as 30 minutes.
    Reason (R): There are 60 minutes in one hour.
    Which of the following is true?
    (a) Both A and R are true, and R is the correct explanation of A.
    (b) Both A and R are true, but R is not the correct explanation of A.
    (c) A is true, and R is false.
    (d) A is false, and R is true.

Section B

Section B consists of 9 questions of 2 marks each

14. i) A library has books numbered 460 to 470. If Sara takes the book that comes just after 468, what is the number of her book? 2

Ans.

ii) If you add 1 to the largest 3-digit number, what number do you get?

Ans.

15. Subtract: 2

	Th	H	T	0
	9	1	5	3
-	2	0	2	0

16. The difference between 456 tens and ____ is 2456. What number should come in the blank? 2

16. Multiply: 2

Th	H	T	O
	4	5	9
×			4

17. The same number has to be put in BOTH the boxes below. What is the number? Fill in the blank 2

9	×	4	=		×	

18. a) Which hand moves slowest in the clock? 2

b) Name the long hand in the clock.

19. How many minutes passed between quarter past 11 and quarter to 12? 2

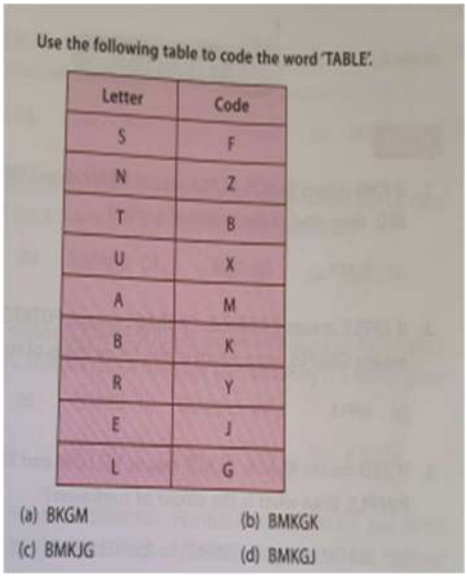
20. a) If LEMON is coded as 15623 and GAUVA is coded as 47898, what will 68342 stands for? 2

b) What will come in place of "?"

3_4_6 → 4_8_3
2_2_4 → 3_4_2
2_6_8 → ?

a) 4_12_8 b) 4_12_4 c) 3_3_4 d) 3_12_4

21. a)

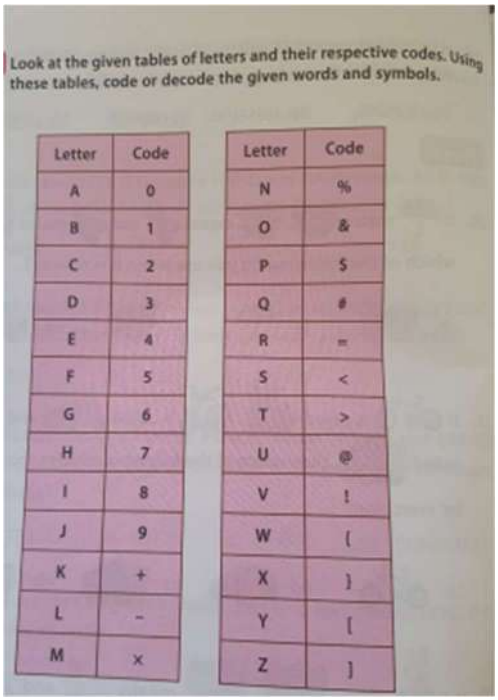


Use the following table to code the word 'TABLE'.

Letter	Code
S	F
N	Z
T	B
U	X
A	M
B	K
R	Y
E	J
L	G

(a) BKGM (b) BMKGK
(c) BMKJG (d) BMKGJ

b)



Look at the given tables of letters and their respective codes. Using these tables, code or decode the given words and symbols.

Letter	Code
A	0
B	1
C	2
D	3
E	4
F	5
G	6
H	7
I	8
J	9
K	+
L	-
M	×

Letter	Code
N	%
O	&
P	$
Q	#
R	=
S	<
T	>
U	@
V	!
W	(
X	)
Y	[
Z	]

Write the code of Class.

Section C

Section C consists of 6 questions of 3 marks each.

22. Write the given number in words, in expanded form and its successor. 3

    4509

    Words = _____

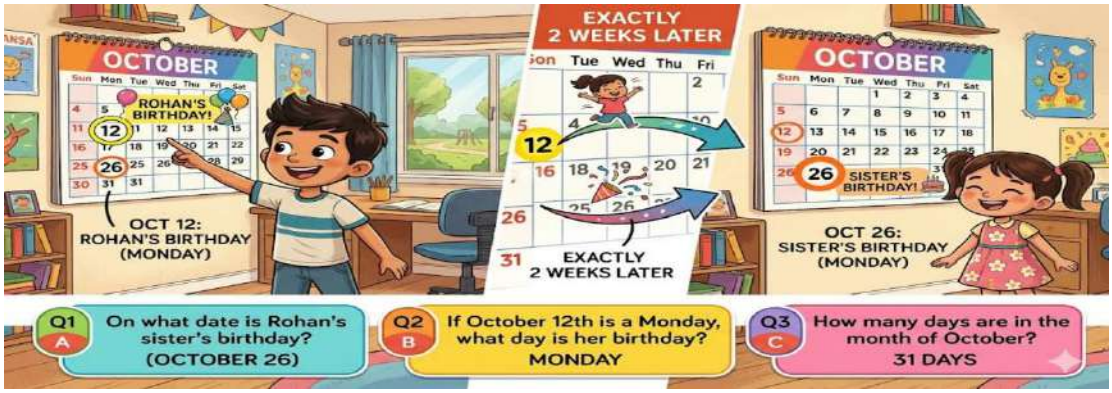
    Expanded form = _____

    Successor =_____

23. In the school library, there are 4500 English books, 3150 Hindi books and 2025 Thinking Skills books. How many books are there in the library? 3

24. In a medical shop, there were 25 packets of bandages. In each packet, there were 100 bandages. Find the total number of bandages. (Write the statements)

25.



Rohan's birthday is on October 12th. His sister's birthday is exactly 2 weeks later.

a) On what date is Rohan's sister's birthday?

b) If October 12th is a Monday, what day of the week will his sister's birthday be?

c) How many days are there in total in the month of October?

Section D

Section D consists of 1 question of 4 marks each. 4

26. A bridge is made of numbered stones.

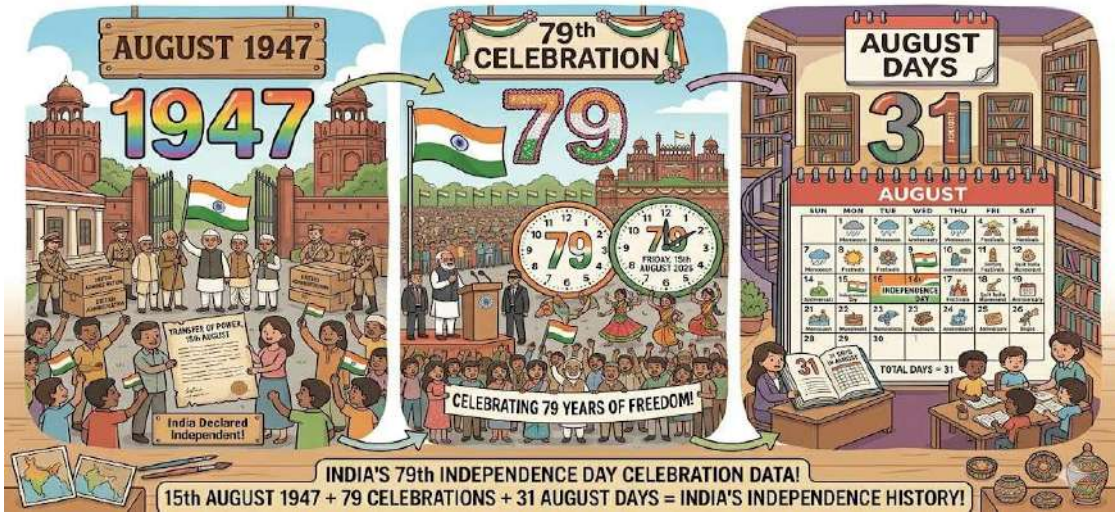
Some numbers are missing. 240, 265, ___, 315, ___, 365

i) Identify the rule of the pattern (e.g., Is it increasing? By how much?).

ii) Fill in the missing stones.

iii) If the bridge continues for two more stones, what will the last number be?

27. India was declared independent from British colonialism and the control was handed over to the leaders of our country on 15th August 1947.On 15th August we celebrate Independence Day every year. This year we will be celebrating the 79th Independence Day. It will fall on Friday this year. In the month of August, there are 31 days.



Answer the following questions:

a) On which day, Independence Day is celebrated every year?

b) How many days are there in the month of August?

c) In which year we got independence from British Colonialism?

d) In which year we got Independence?

Delhi Public School, Gandhinagar
CBE Worksheet (2026-27)

Class: II **Time:**

Delhi Public School, Gandhinagar
SEA- Multiplication (2026-27)

Class: III **Time:**

Mathematics

Date: **M. Marks: 10**

Name: _____Sec: _____ Roll No.:_____

Choose the correct option:

1 has no corners and is perfectly round?

a) rectangle b) square c) circle d) triangle

Multiplication Grid

Activity- Colour the table of 4 with yellow colour and the table of 8 with orange colour.

2. Meera is gift-wrapping a box for her friend. The box looks like a brick and has 6 flat rectangular faces. What 3D shape is the box? **1**

A) sphere B) cone C) cuboid D) cylinder

3. Rahul is playing with a dice. He traces one side of the dice on a paper. What shape will he get? **1**

a) square b) rectangle c) circle d) triangle

4. Which of these objects has a curved surface and can roll easily? **1**

a) a text book b) a pencil box c) a cricket ball d) A laptop

5. How many corners (vertices) does a standard post-card have? **1**

a) 2 b) 3 c) 4 d) 5

6. If the minute hand of a clock is pointing at 6, it shows that _____ minutes have passed. **1**

a) 30 b) 45 c) 55 d) 15

7. Arjun starts his lunch at 1:30 PM and finishes at 2:00 PM. How long did he take to eat? **1**

a) 15 minutes b) 10 minutes c) 30 minutes d) 40 minutes

8. A school bus arrives at 8:15 AM. If the bus is 10 minutes late, at what time will it arrive? **1**

a) 8:05 am b) 9:15 am c) 8:20 am d) 8:25 am

9. Today is Monday. What day was it yesterday? **1**

a) sunday b) tuesday c) saturday d) wednesday

10. How many days are there in 2 weeks? **1**

a) 7 days b) 15 days c) 14 days d) 21 days

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Delhi Public School, Gandhinagar **AIL- Geometry (2026-27)**		
Class: III	**Mathematics**	**Date:**
Time:		**M. Marks: 10**
Name:	**Sec:**	**Roll No.:**

Geometry

Activity: Modelling of 3-D shapes with the help of Clay and toothpicks

HALF- YEARLY REVISION LINKS

Chapter:1
https://forms.gle/zoqU5MBCEnDSZcsC8
Chapter:3 and 4
https://forms.gle/AEajxztBpZhL8CPK8
Chapter:10 Time
https://forms.gle/iqy3ChnjT4L9w2tS6

Delhi Public School Gandhinagar

Academic session (2026-27)

Class: III

Study Material

AUGUST: 2026

Subject:Maths

DELHI PUBLIC SCHOOL, GANDHINAGAR CLASS: 3

SUBJECT: MATHS

Academic Session :2026-27

CHAPTER: 7 Geometry

Exercise 7.3

1. Fill in the blanks.

a. The three dimensions in a solid shape are known as **length**, **width** and **height.**
b. The point at which two edges meet is known as **vertex.**
c. The line at which the faces meet is called **edge.**
d. A cuboid has **6** faces, **12** edges and **8** vertices.

2. Complete the table.

	faces	edges	vertices
Cube	6	12	8
Sphere	1 curved	0	0
Cone	1 flat, 1 curved	1	1
Cuboid	6	12	8
Cylinder	2 flat, 1 curved	2	0

Point, Line, Line Segment and Ray

Scientific Proficiency — Conceptual understanding

A *point* is an exact location on a plane represented by a dot. A point is always referred by a capital letter, say point A, B, P, C.

A *line* is a straight path which can be extended in both directions. A line is represented by a small letter, say e.

A *line segment* is a part of a line which has a starting point and an ending point. It is represented by two capital letters, say, $\overline{AB}$.

A *ray* is a part of a line which has a starting point but no ending point. It is also represented by two capital letters, say, AB but with a different symbol above the letters.

The starting point of a ray is always read first.

Exercise 7.4

1. Fill in the blanks.

a. A **point** is an exact position or location on a plane surface.

b. A figure which has only length but no width and can be extended endlessly in both directions is a **line.**

c. A portion of line which has two end points is called a **line segment.**

d. The following diagram is represented as ray $\overrightarrow{AB}$



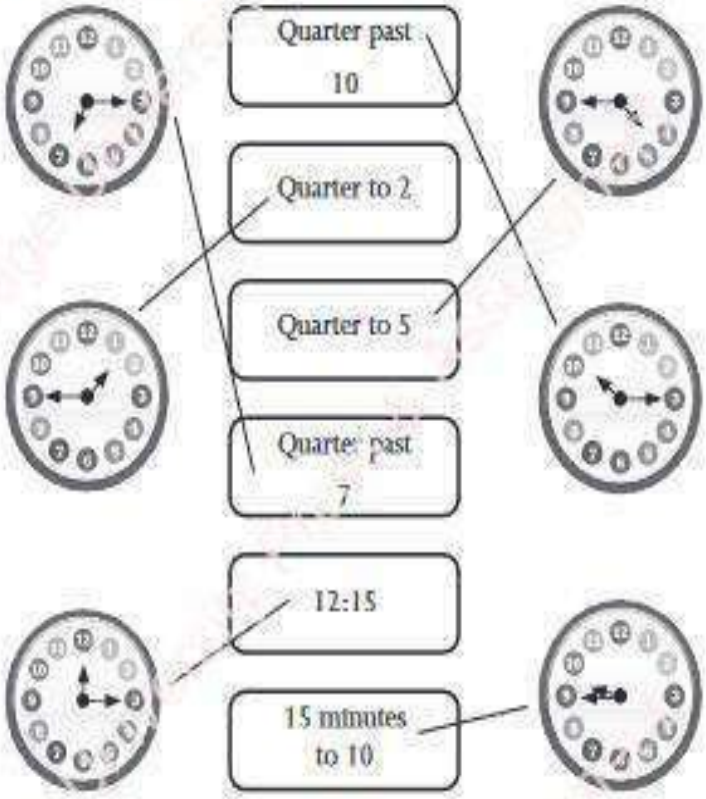
e. A ray is a part of a **line.**

2. Take a square dot grid sheet and draw a line segment, a curved line, slanted/diagonal lines using different coloured sketch pens. (**To be done in practice notebook)**

CHAPTER 10 TIME

Exercise 10.1

1.



2. a.



Quarter past 9

b.



15 minutes to 7

c.



6: 15

d.



15 minutes past 1

e.



4:45

f.



Quarter to 4

Exercise 10.2

1. Read the clocks and write the time correctly.

a. 

8:20

b. 

5:50

c. 

12:10

d. 

10:40

e. 

5:55

f. 

11:35

2. Read the statements and draw the hands showing the end time on the clock face.

John's class begins at 8 o'clock. The class is 35 minutes long. When will his class be over?



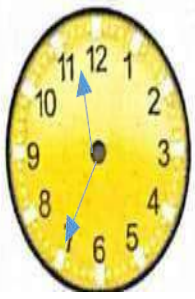
Jaideep works in his garden for 30 minutes every day. He starts at 5 o'clock. At what time will he finish his work?



Rita goes swimming at 4 o'clock. She swims for 45 minutes. When does her class end?



Manisha is baking a cake for the family. She kept the batter in the oven at 11 o'clock. It will take 35 minutes to cook. When will it be ready?



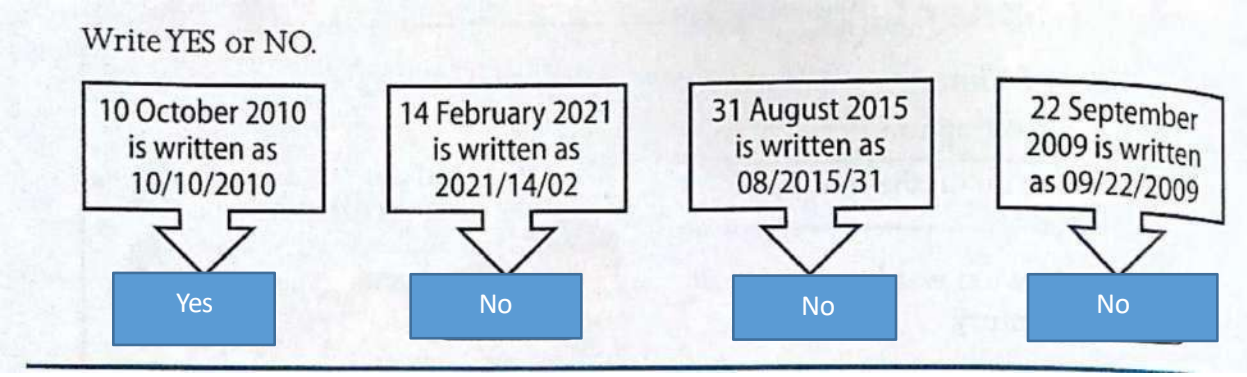
Exercise 10.3

Refer to the calendar and answer the following questions.



1. How many days are there in the month of May 2022?
   31 days
2. The number of Tuesdays in the whole month is 5
3. What is the date on the third Friday of the month?
   20th May
4. What date is the fourth Thursday of the month? 26th May
5. How many Sundays are there in the month of May? 5
6. What is the day on the 1st of May 2022? Sunday
7. Which month comes after May? June
8. On which dates do the second and fourth Saturdays fall? 14th May, 28th May

Exercise 10.4



Reflection:

I have learnt: -

- Quarter past and quarter to.
- Telling time to 5 minutes correctness.
- Writing date.
- Calendar

COMPETENCY BASED QUESTIONS:

QI Choose the correct option

1. 18 July 2014 is written as:

   a) 07/18/2014 b) 18/07/2014 c) 2014/07/18 d) 2014/18/07

2. When showing the sign of quarter past, the minute hand completes how many quarters of the clock?

   a) 1 b) 2 c) 3 d) 4

QII. Answer in one word:

3. The Sharma family is planning to watch a cartoon movie together on Sunday evening.The movie starts at **6:00 pm.** The total running time of the movie is **2 hours**. Find the End time.

   Ans. 8:00 pm

4. Mini planted a sunflower seed in a pot. He checked his wall calendar and noted down the dates of its growth:

   The seed was planted on **March 3rd**.

   The first green shoot popped out of the soil on **March 12th**.

   How many days did the seed take to sprout and show its first shoot? *(Do not count March 3rd itself).*

   Ans. 9 days

QIII. Solve the following:

5. Simran has to take her cough medicine for 5 days. The 5th day will end on 25th January. On which date, should she start taking the medicine?

   Ans. 21 January

6. The hour hand is a little before the 11, and the minute hand is on the 9. What is the time?

   Ans. 10:45

QIV. Case Study:

7. **The Scenario: Chiku's Sunday Plan**

   Chiku the monkey is very excited about his Sunday plan. He wants to go to the jungle playground to play with his friends.

   He looks at the clock on his wall. The **short hand (hour hand)** is pointing exactly at **4**, and the **long hand (minute hand)** is pointing exactly at **12**.

His mother told him, *"You must return home by 5:30 pm for dinner."*



i) What time is it on Chiku's wall clock right now?

Ans. 4:00 or 4 o'clock.

ii) If Chiku leaves for the playground immediately and must be back by 5:30 pm, how much total time does he get to play?

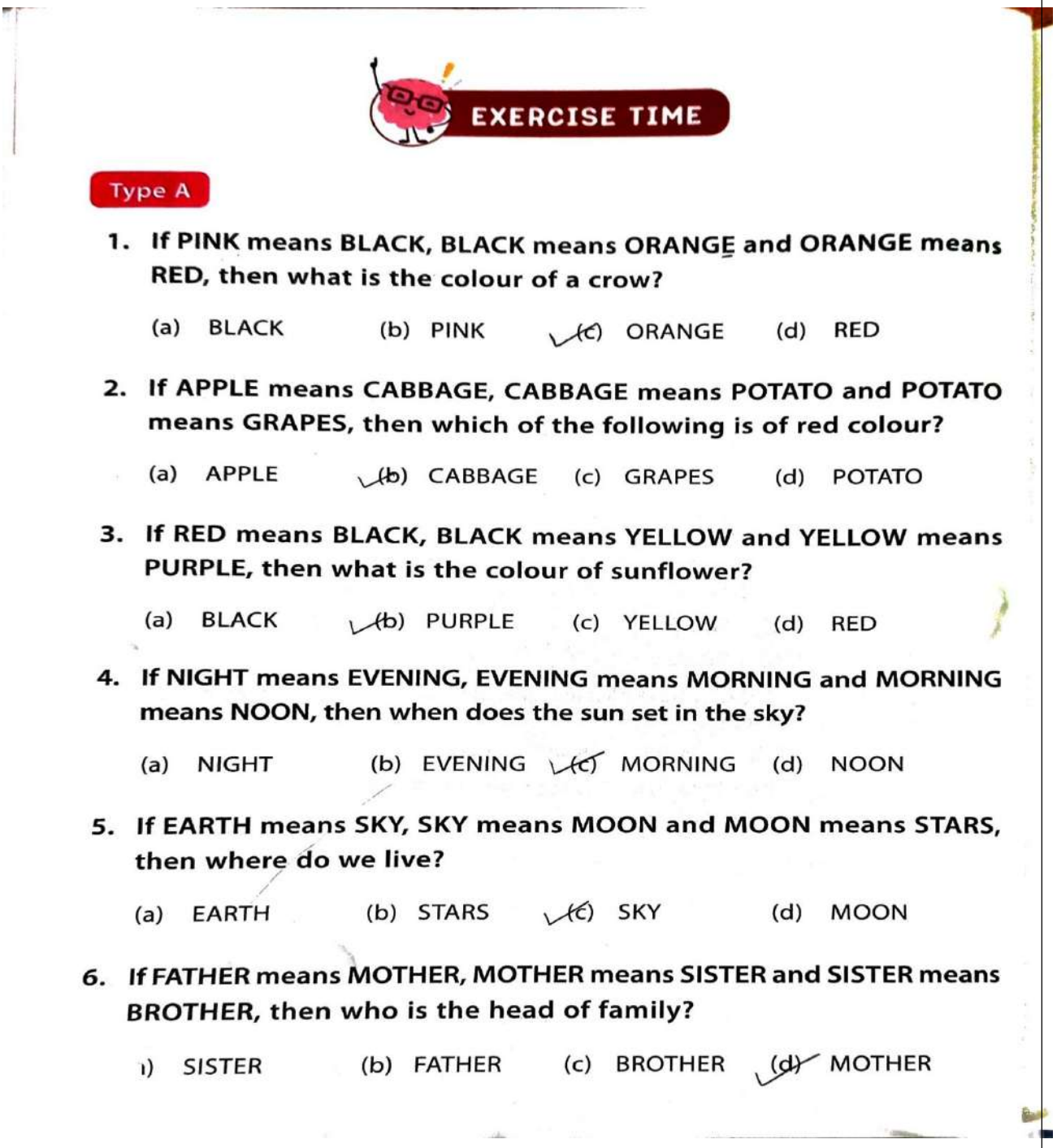
Ans.1 hour and 30 minutes (or 90 minutes).

iii) Chiku's favorite game, "Banana Chase," takes exactly 45 minutes to play. If he starts playing this game at 4:15 pm, will he be finished before his 5:30 pm dinner deadline? Explain your answer.

Ans.Yes, he will finish at 5:00 pm, which is well before 5:30 pm.

Thinking Skills:

Chapter-3 Coding and Decoding



EXERCISE TIME

Type A

1. **If PINK means BLACK, BLACK means ORANGE and ORANGE means RED, then what is the colour of a crow?**

   (a) BLACK (b) PINK ✓(c) ORANGE (d) RED

2. **If APPLE means CABBAGE, CABBAGE means POTATO and POTATO means GRAPES, then which of the following is of red colour?**

   (a) APPLE ✓(b) CABBAGE (c) GRAPES (d) POTATO

3. **If RED means BLACK, BLACK means YELLOW and YELLOW means PURPLE, then what is the colour of sunflower?**

   (a) BLACK ✓(b) PURPLE (c) YELLOW (d) RED

4. **If NIGHT means EVENING, EVENING means MORNING and MORNING means NOON, then when does the sun set in the sky?**

   (a) NIGHT (b) EVENING ✓(c) MORNING (d) NOON

5. **If EARTH means SKY, SKY means MOON and MOON means STARS, then where do we live?**

   (a) EARTH (b) STARS ✓(c) SKY (d) MOON

6. **If FATHER means MOTHER, MOTHER means SISTER and SISTER means BROTHER, then who is the head of family?**

   ı) SISTER (b) FATHER (c) BROTHER ✓(d) MOTHER

7. **If MUMBAI means DELHI, DELHI means SHIMLA and SHIMLA means PATNA, then where is Qutb Minar situated?**

(a) MUMBAI (b) DELHI (c) SHIMLA (d) PATNA

8. **If SOIL means AIR, AIR means WATER and WATER means NOISE, then which of the following is polluted by water pollution?**

(a) SOIL (b) AIR (c) WATER (d) NOISE

9. **If CIRCLE means SQUARE, SQUARE means TRIANGLE and TRIANGLE means RECTANGLE, then which of the following is a three-sided figure?**

(a) CIRCLE (b) RECTANGLE (c) TRIANGLE (d) SQUARE

10. **If JANUARY means FEBRUARY, FEBRUARY means APRIL and APRIL means OCTOBER, then which of the following months has 30 days?**

(a) FEBRUARY (b) MARCH (c) OCTOBER (d) APRIL

11. **If MANGO means APPLE, APPLE means GRAPES and GRAPES means PAPAYA, then which of the following fruits is the smallest in size?**

(a) MANGO (b) APPLE (c) PAPAYA (d) GRAPES

12. **If  means  ,  means  and  means  , then which of the following is an oval?**

(a)  (b)  (c)  (d) 

13. **If GLASS means PLATE, PLATE means SPOON and SPOON means BUCKET, then which of the following is used for drinking water?**

(a) BUCKET (b) SPOON (c) PLATE (d) GLASS

14. **If NOSE means EYE, EYE means HAND and HAND means ARM, then which of the following body parts is used for seeing things?**

(a) NOSE (b) EYE (c) HAND (d) ARM

15. **If LEGS means EYES, EYES means HANDS and HANDS means ARMS, then which of the following body parts are used for walking?**

(a) LEGS (b) EYES (c) HANDS (d) ARMS

16. **If NOTEBOOK means PENCIL, PENCIL means ERASER and ERASER means SHARPENER, then which of the following is used for erasing something?**

(a) NOTEBOOK (b) PENCIL (c) ERASER (d) SHARPENER

17. **If LION means COW, COW means RAT and RAT means DOG, then who gives us milk?**

(a) LION (b) COW (c) RAT (d) DOG

18. **If MONDAY means TUESDAY, TUESDAY means THURSDAY and THURSDAY means FRIDAY, then which of the following is the first day of the week?**

(a) MONDAY (b) TUESDAY (c) FRIDAY (d) THURSDAY

19. If HOSPITAL means SCHOOL, SCHOOL means COURT and COURT means SHOP, then where do you go to study?

(a) SCHOOL (b) HOSPITAL (c) COURT (d) SHOP

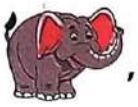
Type B

20. If  means  ,  means  and  means  , then which of the following do you use when it is raining?

(a)  (b)  (c)  (d) 

21. If  is called  ,  is called  and  is called  , then which of the following vehicles should you use for exercising?

(a)  (b)  (c)  (d) 

22. If  means  ,  means  and  means  , then which of following is the biggest animal?

(a)  (b)  (c)  (d) 

Type C **Look at the given tables of letters and their respective codes. Using these tables, code or decode the given words and symbols.**

Letter	Code
A	0
B	1
C	2
D	3
E	4
F	5
G	6
H	7
I	8
J	9
K	+
L	–
M	×

Letter	Code
N	%
O	&
P	$
Q	#
R	=
S	<
T	>
U	@
V	!
W	{
X	}
Y	[
Z	]

23. CLASS

(a) 2<0{}

(b) 2–0<<

(c) 290>>

(d) 2+1==

24. LUNCH

(a) –@%27 (b) +–$27

(c) –!%[]@ (d) *&27

25. SPOON

(a) <%$&& (b) <&$$%

(c) <$&&% (d) 9–&&#

26. –&>@<

(a) LAKES (b) LOGIC

(c) LOTUS (d) LUCKY

27. <27&&–

(a) SHAPES (b) SCHOOL

(c) SAILOR (d) SALIVA

Delhi Public School Gandhinagar

Academic Session (2026-27)

Class: III

Study Material

JULY: 2026

Subject:Maths

DELHI PUBLIC SCHOOL, GANDHINAGAR

CLASS: 3 **SUBJECT: MATHS**

CHAPTER- 3

SUBTRACTION (CONTINUED IN JULY)

Academic Session 2026-27

Properties of Subtraction (ONLY EXPLANATION)

If we subtract zero from a number, then the answer is the number itself. For example, 2324-0 = 2324.

If we subtract a number from the same number, then the answer is always zero '0'. For example, 6435-6435 = 0.

If we subtract 1 from a number, then the answer is the predecessor of the given number. For example, 2499 – 1 = 2498.

Exercise 3.6

1. Solve the following.

a. 950 – 950 = **0**

d. 4000 – 0 = **4000**

e. 1276 – 1 = **1275**

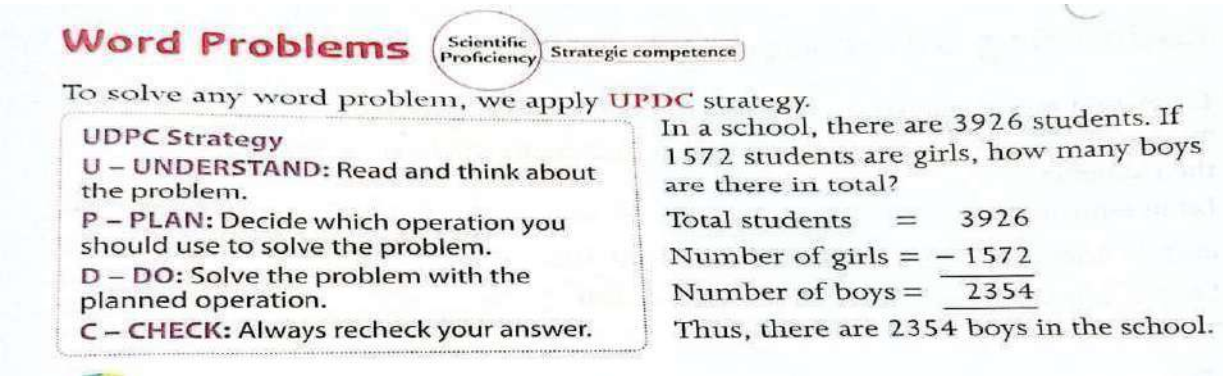
2. **State True or False.**

a. 6050 – 6050 = 6050 **False**

d. 2097 – 2097 = 0 **True**

f. 9999 – 1 = 9999 **False**

Exercise:3.7(Omitted)



Word Problems

Scientific Proficiency | Strategic competence

To solve any word problem, we apply UPDC strategy.

UDPC Strategy

U – UNDERSTAND: Read and think about the problem.

P – PLAN: Decide which operation you should use to solve the problem.

D – DO: Solve the problem with the planned operation.

C – CHECK: Always recheck your answer.

In a school, there are 3926 students. If 1572 students are girls, how many boys are there in total?

Total students = 3926

Number of girls = − 1572

Number of boys = 2354

Thus, there are 2354 boys in the school.

Exercise 3.8

1. There are 245 bird families living near the mountains. If 132 bird families flew away for the winter, how many bird families are left near the mountains?

Solution:

Number of bird families living near the mountains = 245

Number of bird families flew away for the winter = 132

Number of bird families left near the mountains = 245 - 132

Ans: 113 bird families are left near the mountains.

1. There were 590 passengers on a ship. Out of them, 380 were adults. How many children were present on the ship?

Solution: Number of passengers on a ship = 590

Number of adults = 380

Number of children = 590 – 380=210

Ans: 210 children were present on the ship.

2. Jim has 1256 cupcakes in his shop. He gave away 257 cupcakes to one customer and 349 cupcakes to another customer. How many cupcakes remain with Jim now?

Solution:

Number of cupcakes in his shop = 1256

Total number of cupcakes he gave away to customers = 257 + 349 = 606

Number of cupcakes remain with Jim now 1256 – 606 = 650

Ans: 650 cupcakes remain with Jim now.

9. In a mega store, there were 4680 bags of sugar, but the supplier delivered only 2724 bags on Monday. On Tuesday, he was supposed to deliver the rest of the bags. How many bags were supposed to be delivered on Tuesday?

Solution:

Number of bags of sugar in a mega store = 4680

Number of bags delivered on Monday = 2724

Number of bags supposed to be delivered on Tuesday = 4680 - 2724

Ans: 1956 bags were supposed to be delivered on Tuesday.

CBE QUESTIONS

QI Choose the correct option

1. 100 less than the smallest 4-digit number.

   i) 1000 ii) 999 iii) 900 iv) 909

2. The difference between 456 tens and _____is 2456.

   i) 2100 ii) 2104 iii) 2102 iv) 2103

QII Answer in one word.

3. 4 thousands 3 hundreds 2 tens 6 ones ___ 4 thousands 3 hundreds 1tens 6 ones.Compare using the sign <, > or =

   Ans. >

4. Subtract the smallest 4-digit number from the greatest 4-digit number.

   Ans. 9999 – 1000 = 8999

QIII Solve the following:

5. The difference of two numbers is 7200. If one of the numbers 8000, what will be the other number?

   Ans: 8,000 – 7,200 = 800

6. Using the digits 5, 1, and 4, with the option to repeat digits, form the greatest and smallest 4-digit numbers. What is the difference between these two numbers?

   Ans Greatest number – 5541 Smallest Number – 1145

   Difference : 5541- 1145 = 4396

QIV Case Study

7. **The Scenario: The Great Toy Factory Donation**

Two large toy factories, **Joy toys** and **Fun creations**, are donating toy packets to schools across the city. The factories are competing to see who can donate the most, with a grand target of donating **9,500 toy packets** in total.

The managers recorded their donation data in the table below:

Factory Name	**Toy packets donated so far**
Joy Toys	4,250 packets
Fun Creations	3,815 packets



i) How many more toy packets has **Joy Toys (4,250)** donated compared to **Fun Creations (3815)**?

Ans. 4250 - 3815 = 435

ii) How many *more* toy packets do the two factories need to donate together to reach their grand target of **9,500 packets**?

Ans. Total toys= 4250 + 3815 = 8065

Target = 9500

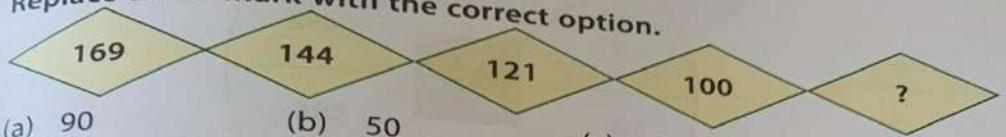
Left over target = 9500 - 8065 = 1435

Thinking Skills
Chapter-2 Patterns

EXERCISE TIME

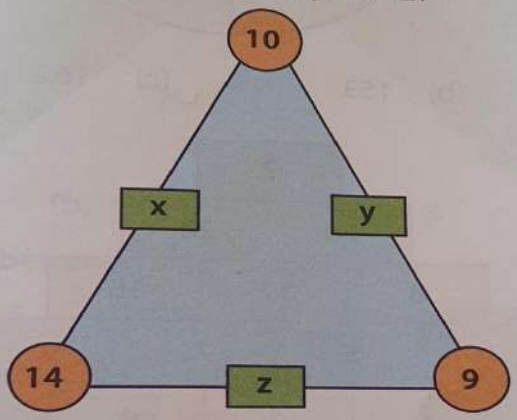
Type A

1. Replace the '?' mark with the correct option.



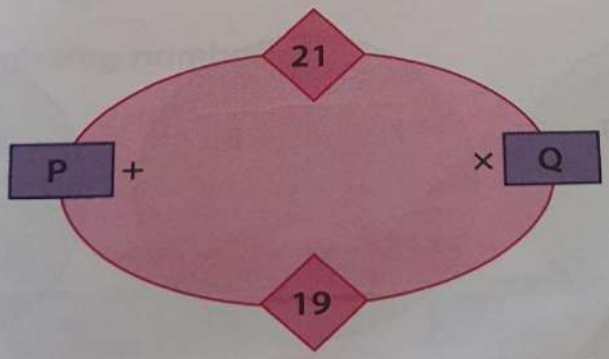
(a) 90 (b) 50 (c) 81 (d) 64

2. The number in each rectangle is the sum of the numbers in the linking circles. What will be the values of x, y and z?



(a) 23, 24, 19 (b) 24,19, 23 (c) 22, 27, 17 (d) 27, 17, 22

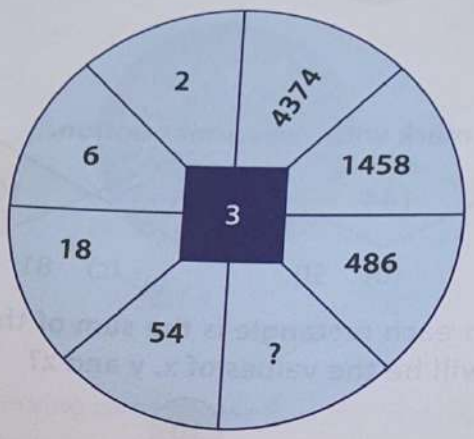
3. What will be the values of P and Q?



(a) 40, 399 (b) 399, 40 (c) 40, 299 (d) 299, 40

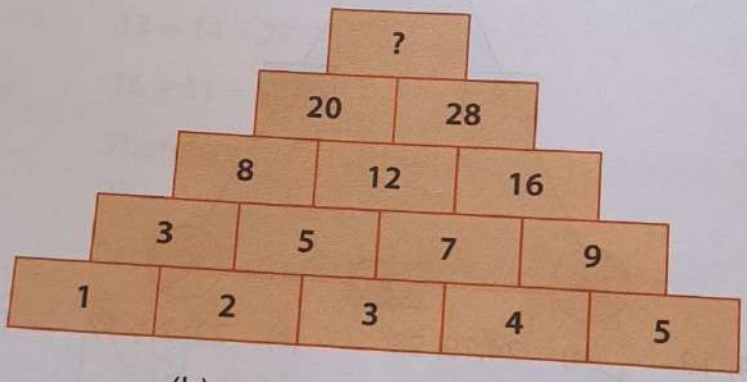
Type B Replace the '?' mark with the correct option.

4.



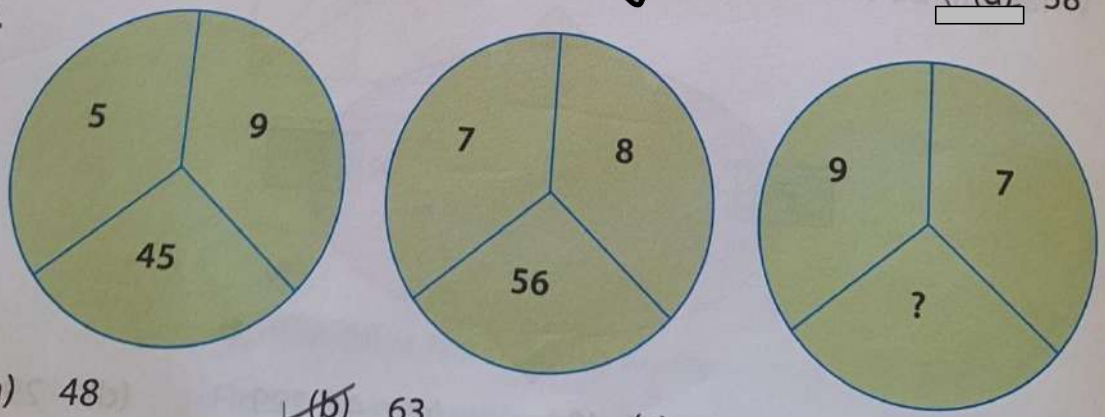
(a) 80 (b) 153 (c) 162 (d) 224

5.

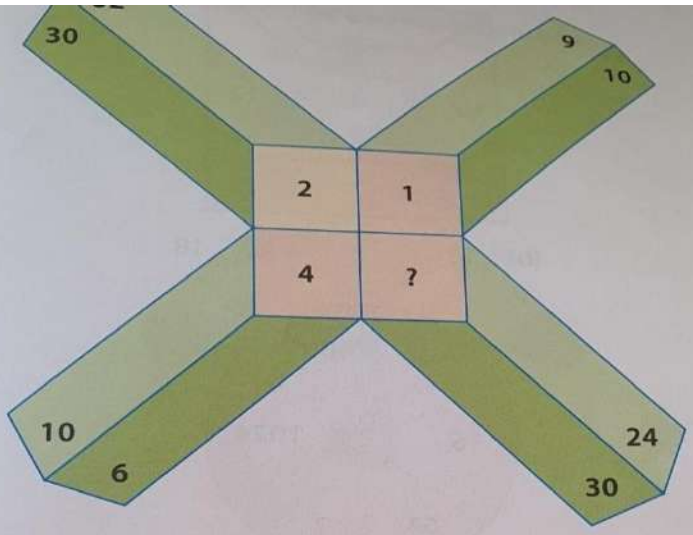


(a) 30 (b) 40 (c) 48 (d) 58

6.

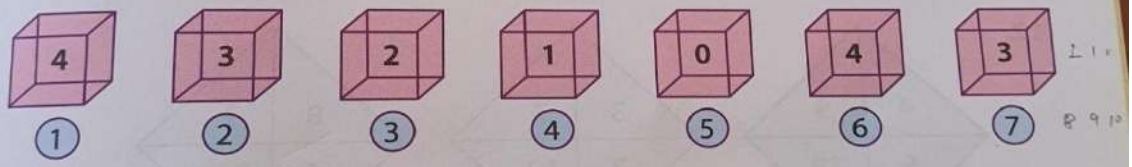


(a) 48 (b) 63 (c) 58 (d) 67



(a) 3 (b) 5 (c) 6 (d) 7

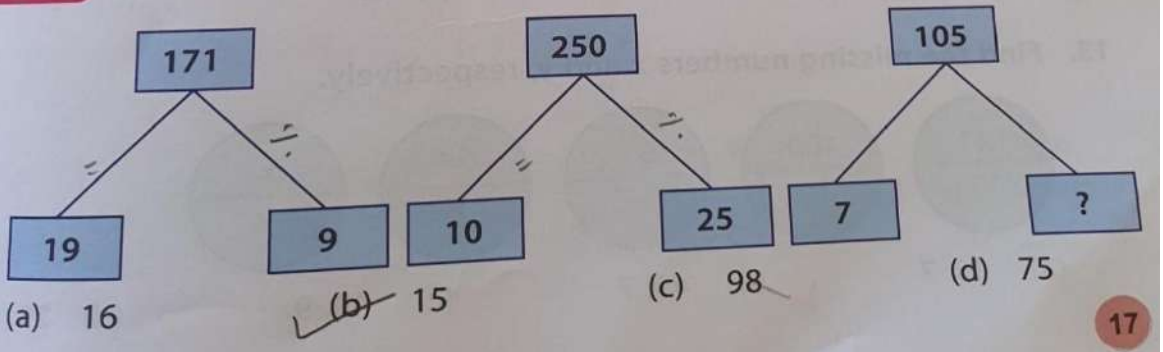
8. **What is the number on the 10th cube?**



(a) 3 (b) 0 (c) 1 (d) 2

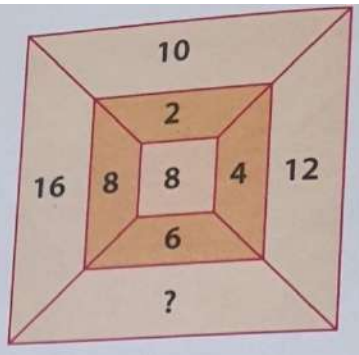
Type C **Find the missing number.**

9.



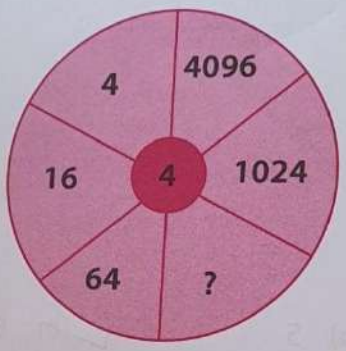
(a) 16 (b) 15 (c) 98 (d) 75

10.



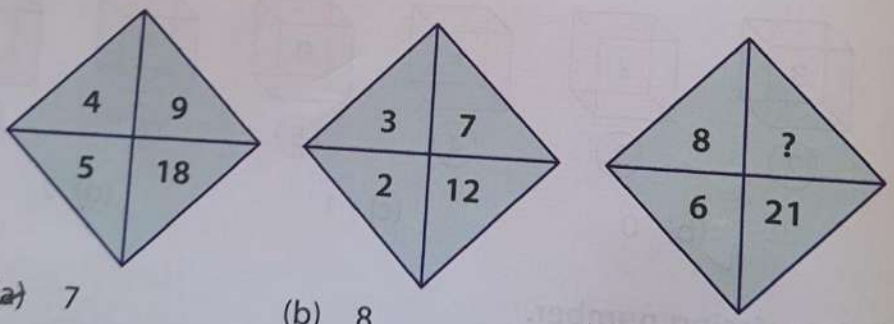
(a) 14 (b) 15 (c) 18 (d) 75

11.



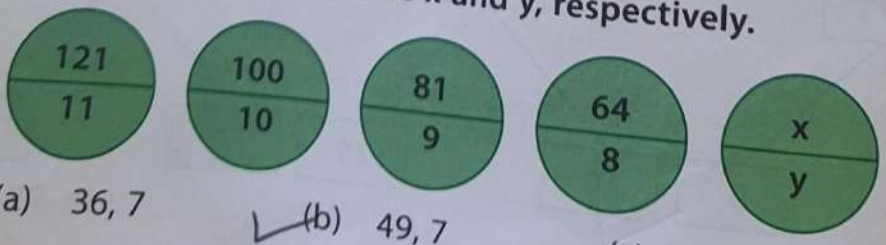
(a) 84 (b) 258 (c) 224 (d) 256

12.



(a) 7 (b) 8 (c) 9 (d) 2

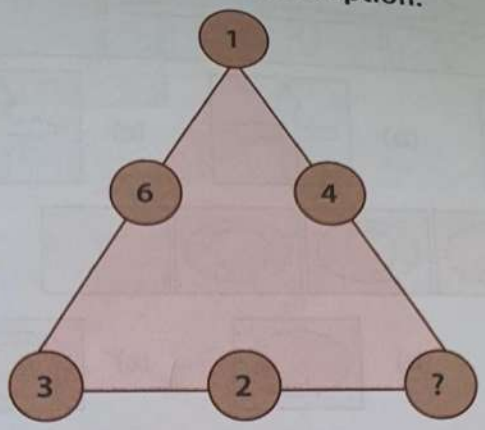
13. Find the missing numbers x and y, respectively.



(a) 36, 7 (b) 49, 7 (c) 49, 9 (d) 25, 9

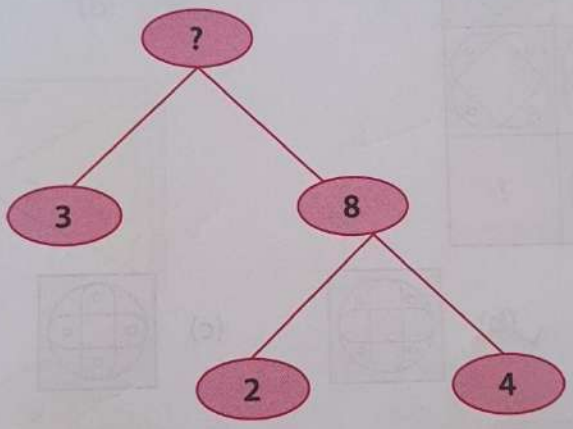
Type D Replace the '?' mark with the correct option.

14.



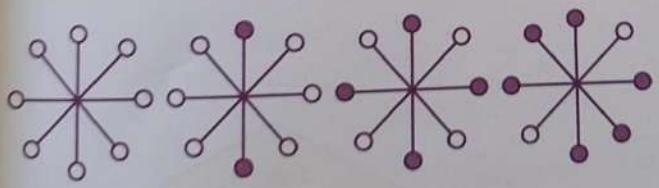
(a) 2 (b) 3 (c) 4 (d) 5

15.

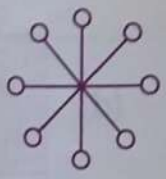
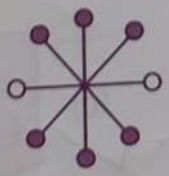
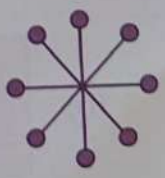
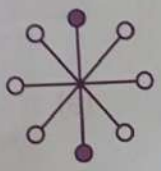


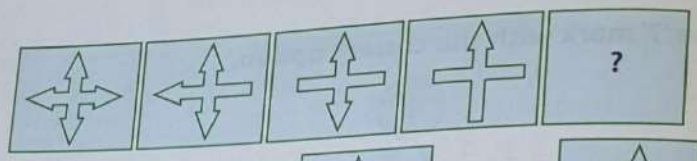
(a) 5 (b) 24 (c) 11 (d) 15

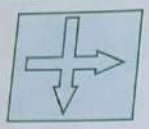
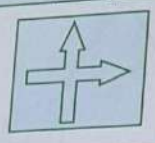
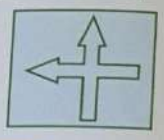
16.

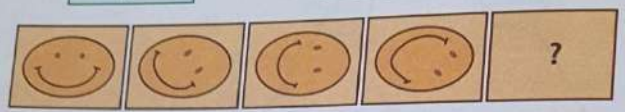


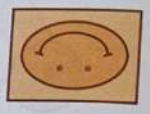
?

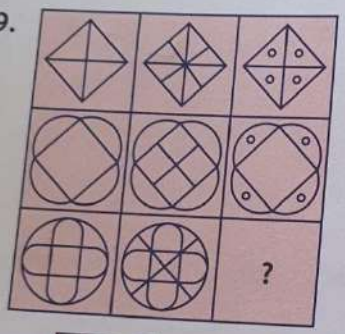
(a)  (b)  (c)  (d) 

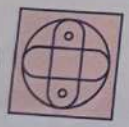
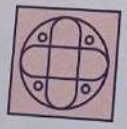
17. 

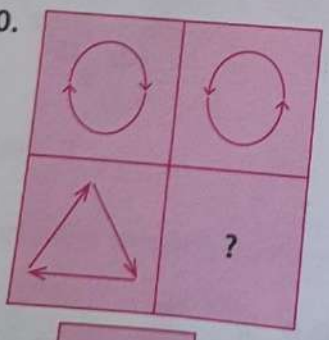
(a)  (b)  (c)  ✓(d) 

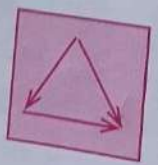
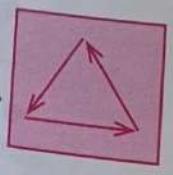
18. 

(a)  (b)  ✓(c)  (d) 

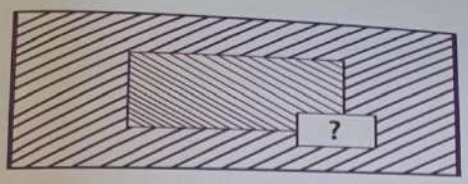
19. 

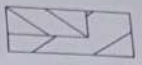
(a)  ✓(b)  (c)  (d) 

20. 

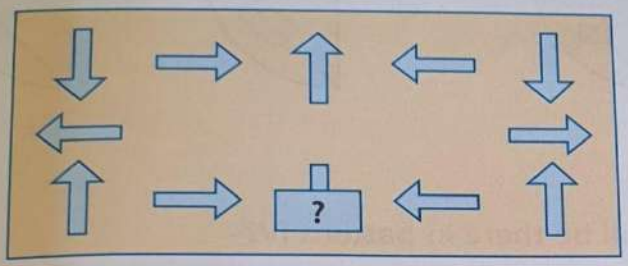
(a)  (b)  (c)  (d) 

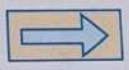
21.



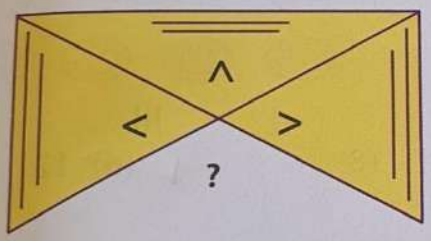
(a)  (b)  (c)  (d) 

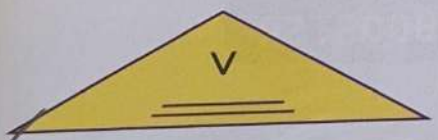
22.



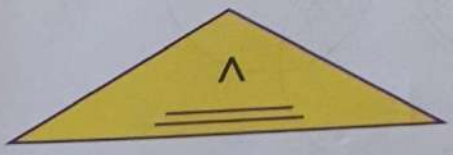
(a)  (b)  (c)  (d) 

23.



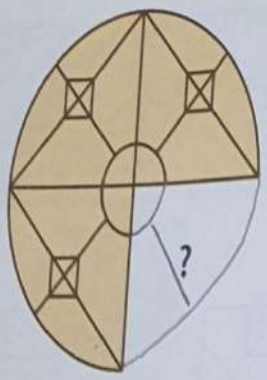
(a) 

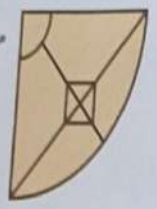
(b) 

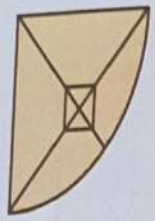
(c) 

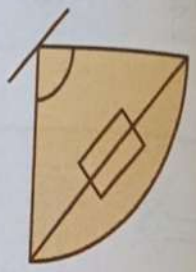
(d) 

24.



(a) 

(b) 

(c) 

(d) 

Type E

25. How many smiling faces will be there in pattern IV?



I



II



III

(a) 24

(b) 10

(c) 18

(d) 12

CHAPTER 4
MULTIPLICATION

KEY TERMS (In notebook)

1. Multiplication is repeated addition.
2. The number to be multiplied is known as the multiplicand.
3. The number by which the multiplicand is multiplied is known as the multiplier.
4. The answer that we get after multiplication is called the product.

	T	O	
	2	3	→ **Multiplicand**
×		3	→ **Multiplier**
	6	9	→ **Product**

Exercise 4.1

Fill in the blanks.

1	7 × 7 = 49	**2**	10 × 9 = 90	**3**	3 × 9 = 27
4	4 × 8 = 32	**5**	5 × 8 = 40	**6**	6 × 7 = 42
7	9 × 7 = 63	**8**	8 × 9 = 72	**9**	3 × 8 = 24

Exercise 4.2

Q.1. Multiply to fill in the missing numbers in the products.

a.

	H	T	O
		2	3
×			2
		4	6

e.

	H	T	O
		3	4
×			2
		6	**8**

f. H.W.

Q.2. Harry solved these multiplication sums. He has made some mistakes. Find out the mistakes made and write the correct answers.

a.

	H	T	O
		6	5
×			5
	3	**7**	**0**

Correct answer

	H	T	O
		2	
		6	5
×			5
	3	**2**	**5**

c.

	H	T	O
		4	5
×			6
	2	**4**	**6**

Correct answer

	H	T	O
		4	5
×			6
	2	**7**	**0**

f. H.W.

Exercise 4.3

Q.1. Multiply the following sums.

a.

	H	T	O
	3	2	1
×			3
	9	**6**	**3**

d.

	H	T	O
	1	4	6
×			5
	7	**3**	**0**

e.

	H	T	O
	2	3	3
×			2
	4	**6**	**6**

2. Solve:

c. 563× 4= **2252**

		H	T	O
		5	6	3
×				4
	2	**2**	**5**	**2**

d. 264 × 3 = **792**

	H	T	O
	1		
	2	6	4
×			3
	7	**9**	**2**

e. 427 × 2 = **854**

	H	T	O
	4	2	7
×			2
	8	**5**	**4**

Exercise 4.4

Q.1. Multiply the following.

b. 25× 43

		H	T	O
			2	
			1	
			2	**5**
×			**4**	**3**
			7	**5**
+	**1**	**0**	**0**	**0**
	1	**0**	**7**	**5**

d. 42 × 23

	H	T	O
	1		
		4	**2**
×		**2**	**3**
	1	2	6
+	8	4	0
	9	**6**	**6**

Q.2. Solve the following.

a.

	H	T	O
		2	**1**
×		**1**	**2**
		4	2
+	2	1	0
	2	**5**	**2**

b.

	H	T	O
		1	
		6	**3**
×		**1**	**4**
	2	5	2
+	6	3	0
	8	**8**	**2**

d.

	Th	H	T	O
			1	
			5	**5**
×			**4**	**3**
		1	6	5
+	2	2	0	0
	2	**3**	**6**	**5**

Exercise 4.5

Q.1. Solve the sums.

a. 121 × 2

	H	T	O
	1	2	1
×			2
	2	**4**	**2**

c. 222 × 3

	H	T	O
	2	2	2
×			3
	6	**6**	**6**

f.

	Th	H	T	O
		2	2	
		5	5	5
×				5
	2	**7**	**7**	**5**

Q.2 Multiply the following.

a.

	Th	H	T	O
		1	1	2
×			1	3
		3	3	6
+	1	1	2	0
	1	**4**	**5**	**6**

c.

	Th	H	T	O
		3	2	1
×			1	4
	1	2	8	4
+	3	2	1	0
	4	**4**	**9**	**4**

e.

	Th	H	T	O
		4	3	3
×			2	2
		8	6	6
+	8	6	6	0
	9	**5**	**2**	**6**

Exercise 4.6

Multiply the following:

1.	12 × 10 = **120**	**2.**	8 ×100 = **800**	**3.**	24 ×20= **480**	**4.**	3×1000= **3000**	**7.**	2 × 40 = **80**
8.	75 ×30 =**2250**	**11.**	25 × 1 = **25**	**12.**	571 × 0 = **0**	**13.**	**671** × 1 = **671**		

Exercise 4.7

1. In a classroom, there are 13 tables. How many tables can be found in 3 classrooms?

Solution:

Table in 1 classroom = 13

Table in 3 classrooms = 13 × 3

	T	O
	1	3
×		3
	3	**9**

Ans: 39 tables can be found in 3 classrooms.

5. There are 24 people seated in one row in the hospital waiting room. How many people can be found in 12 rows?

Solution:

Capacity of one row = 24

Capacity of 12 rows = 24 × 12

	H	T	O
		2	**4**
×		**1**	**2**
		4	8
+	2	4	0
	2	**8**	**8**

Ans: 288 people can be found in 12 rows.

7. An English textbook has 125 pages. How many pages can be found in 32 books?
Solution:
Number of pages in English textbook = 125
Number of pages in 32 such books = 125 × 32

	Th	H	T	O
			1	
			1	
		1	2	5
×			3	2
		2	5	0
+	3	7	5	0
	4	**0**	**0**	**0**

Ans: 4000 pages can be found in 32 books.

Competency Based Questions:

QI Choose the correct option

1. A factory makes 125 toys every day. How many toys are made in a week?

A. 825
B. 850
C. 875
D. 800

Answer: C. 875

2. A shopkeeper has 7 boxes in his shop. Each box contains 1000 pencils. How many pencils are there altogether?

A. 700
B. 7,000
C. 70,000
D. 700,000

Answer: B. 7,000
Q.II Answer in One Word

3. The property shown by 63 × 21 = 21 × 63 is called _____.
Answer: Order Property

4. If 3 × 4 = 12, then 3 × 40 = ?
Answer: 120

Q.III Solve the following

The School Assembly

For an Independence Day school celebration, 12 local schools sent their students to the city stadium. Each school sent exactly **325 students**.

5. Find the total number of students who attended the celebration.

Answer:325 × 12

		1	
	3	2	5
×		1	2
	6	5	0
3	2	5	0
3	**9**	**0**	**0**

6. If the stadium has 1,500 seats in total, are there enough seats for everyone? Explain why or why not.

Answer: No, because 3900 is more than 1,500 total seats.

Q.IV CASE STUDY



Q1. How many chocolates are there in all?

Answer: 28 × 18 = 504

Q2. If each chocolate costs ₹10, what is the total cost of all chocolates?

Answer: 504 × 10 =5040

Q.V Computational Thinking:

Observe the Pattern

☆ × 10 = 70

☆ + ☆ × 10 = 140

☆ + ☆ + ☆ × 10 = 210

☆ + ☆ + ☆ + ☆ × 10 = ?

Questions

1. How much is one ☆ worth?

   Answer: 7

2. Find the value of ☆ + ☆ + ☆ + ☆ × 10.

   Answer: 280

Reflection:

- I have learnt: -
- Multiplication of a 2- and 3-digit number by a 1- and a 2-digit number.
- Multiplication by 10, 100,1000.
- Properties of multiplication.
- Multiplication by 20,30,40,…..

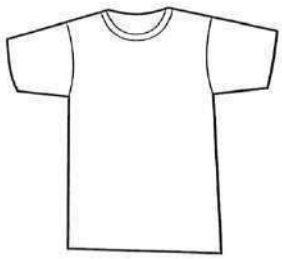
CHAPTER: 7 Geometry

Exercise 7.1

1. Cross out (x) the numbers which are made up of only straight lines, tick (1) the numbers which are made up of only curved lines and circle the numbers which are made up of both straight and curved lines.



2. Colour the horizontal lines blue, slanting lines red, vertical lines orange and curved lines green. Also write down the number of lines in the given picture.



Number of horizontal lines = **1**
Number of vertical lines = **2**
Number of slanting lines = 4
Number of curved lines = **5**

Exercise 7.2

1. Who am I?

a) All my sides are equal. **Square**
b) l look like a mountain. **Triangle**
c) My opposite sides are equal. **Rectangle**
d) I am round. **Circle**

2. Complete the given table.

	Number of sides	Number of Corners
Circle	0	0
Triangle	3	3
Rectangle	4	4
Oval	0	0
Square	4	4

3. Fill in the blanks.

a. The length of the boundary of the circle is called its **circumference.**
b. The fixed distance between the centre and any point on the circle is called the **radius** of the circle.
c. A circle is made up of **curved** lines.
d. The point at which two sides meet is called **corner.**

Delhi Public School Gandhinagar

Academic session (2026-27)

Class: III

Study Material

JUNE: 2026

Subject:Maths

DELHI PUBLIC SCHOOL, GANDHINAGAR

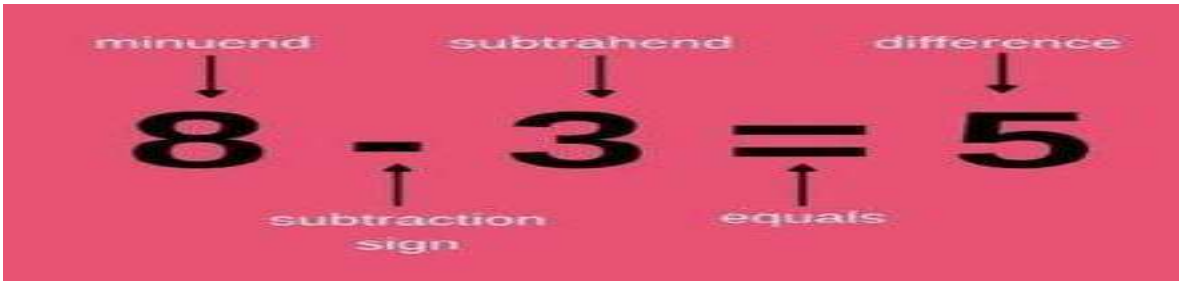
CLASS: 3 **SUBJECT: MATHS**

CHAPTER- 3

SUBTRACTION (JUNE STUDY MATERIAL)

Academic Session 2026-27

SUBTRACTION KEY TERMS: (IN NOTEBOOK)



Exercise 3.1

1. Subtract the following.

a.

	H	T	0
	2	8	2
-	1	6	0
	1	**2**	**2**

e.

	H	T	0
	4	6	8
-	2	6	0
	2	**0**	**8**

c. H.W.

	H	T	0
	9	9	8
-	8	0	5
	1	**9**	**3**

2. Subtract the numbers to find the difference. Then, colour the boxes having the same numbers alike.

(TO BE DONE IN TEXTBOOK)

Exercise 3.2

1. Subtract the following.

a.

	H	T	0
	5	10	
	6	0	8
-	2	7	3
	3	**3**	**5**

c.

	H	T	0
	4	17	18
	5	8	8
-	1	9	9
	3	**8**	**9**

f.

	H	T	0
		7	15
	7	8	5
-	5	6	7
	2	**1**	**8**

2. Subtract the following.

a. 446 – 337

	H	T	0
		3	16
	4	4	6
-	3	3	7
	1	**0**	**9**

b. 734 – 328

	H	T	0
		2	14
	7	3	4
-	3	2	8
	4	**0**	**6**

e. 641 – 418

	H	T	0
		3	11
	6	4	1
-	4	1	8
	2	**2**	**3**

Exercise 3.3

1. Subtract the following.

a.

	Th	H	T	0
	7	2	3	8
-	4	2	1	4
	3	**0**	**2**	**4**

d.

	Th	H	T	0
	5	4	2	9
-	3	2	1	2
	2	**2**	**1**	**7**

e.

	Th	H	T	0
	3	8	6	9
-	1	2	1	8
	2	**6**	**5**	**1**

2. Write the numbers in column and subtract.

a. 5475 - 2314

	Th	H	T	0
	5	4	7	5
-	2	3	1	4
	3	**1**	**6**	**1**

c. 6425 - 1314

	Th	H	T	0
	6	4	2	5
-	1	3	1	4
	5	**1**	**1**	**1**

f. 4674 - 2234

	Th	H	T	0
	4	6	7	4
-	2	2	3	4
	2	**4**	**4**	**0**

Exercise 3.4

1. Subtract the numbers.

a.

	Th	H	T	0
		6	14	
	9	7	4	6
-	8	2	9	4
	1	**4**	**5**	**2**

c.

	Th	H	T	0
		7	9	10
	4	8	0	0
-	1	1	1	4
	3	**6**	**8**	**6**

e.

	Th	**H**	**T**	**0**
			2	15
	4	2	3	5
-	1	2	1	9
	3	**0**	**1**	**6**

2. Subtract to choose the correct option. (TEXTBOOK)

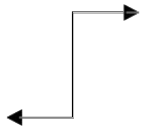
4038 – 2574	**1464**
8527 – 375	**8152**
6752-3827	**2925**
9526-6873	**2653**
7800 - 1786	**6014**

Exercise 3.5

Subtract and check your answer.

1.

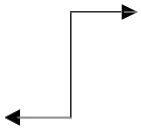
	Th	H	T	0
	2	9	12	10
	3	0	3	0
-	1	3	8	8
	1	**6**	**4**	**2**



	Th	H	T	0
	1	1	1	
	1	6	4	2
+	1	3	8	8
	3	**0**	**3**	**0**

3.

	Th	H	T	0
		8	13	
	7	**9**	**3**	**8**
-	5	8	9	8
	2	0	4	0



	Th	H	T	0
		1		
	2	0	4	0
+	5	8	9	8
	7	**9**	**3**	**8**

DELHI PUBLIC SCHOOL, GANDHINAGAR

CLASS: 3 **SUBJECT: MATHS**

Academic Session 2026-27

APRIL AND MAY MONTH

CHAPTER- 1

NUMBERS

Exercise 1.1 (Notebook)

1. **Write the given numerals in words.**

a. 4205 – Four thousand two hundred five

d. 4008 – Four thousand eight.

e. 3112 **H.W.**

2. **Write the following numerals.**

a. Six thousand fifty-four- 6,054

c. Four thousand- 4,000

f. **H.W.**

3. **Write the place value and the face value of the underlined digits.**

Number	Place value of the underlined digits	Face value of the underlined digit
503**5**	5	5
15**0**0	0	0
9930	9,000	9

4. **Find the sum of the place values of 3s in 3234.**

Ans: 3000 + 30 = 3,030

Exercise 1.2

Fill in the blanks.

1. 3564 = 3000 + 500 + 60 + 4
3. 6607 = 6000 + 600 + 7
5. 9730 = 9 thousands + 7 hundreds + 3 tens
6. 5020 = 5 x 1000 + 2 x 10
8. 2691 = 2 x 1000 + 6 x 100 + 9 x 10 + 1 x 1

Exercise 1.3

1. Compare the following using >, < or = sign.

a. 209 $\leq$ 3819
b. 3901 $\geq$ 1450
d. 303 $\leq$ 3030
e. 1983 $\geq$ 1783

2. Arrange the following numbers in ascending order.
   a. 3489 5689 5789 9989 3979
   Ans: 3489 3979 5689 5789 9989

   c. 3583 6682 6781 1189 8976
   Ans: 1189 3583 6682 6781 8976

3. Arrange the following numbers in descending order.
   a. 4532 6932 1546 7543
   Ans: 7543 6932 4532 1546

   d. 3097 2845 5628 7841
   Ans: 7841 5628 3097 2845

4. Form the greatest and the smallest 4-digit numbers when repetition of digits is not allowed.

a. 1, 5, 8, 9
Ans: Greatest 4-digit number: 9,851
Smallest 4-digit number: 1,589

c. 2, 0, 6, 3
Ans: Greatest 4-digit number: 6,320
Smallest 4-digit number: 2,036

5. Form the greatest and the smallest 4-digit numbers when repetition of digits is allowed only once.

a. 9, 1, 3
Ans:
Greatest 4-digit number: 9,931
Smallest 4-digit number: 1,139

b. 8, 6, 2 (**H.W.)**
Greatest 4-digit number: 8,862
Smallest 4-digit number: 2,268

c. 3, 1, 0
Greatest 4-digit number: 3,310
Smallest 4-digit number: 1,003

Exercise 1.4

1. Write the successor of the following numbers.

a. 2986
Ans: 2986 +1 = 2987

b. 5129

Ans: 5129 +1 = 5130

d. 1992 **H.W.**

2. Write the predecessor of the following numbers.

a. 1046
Ans: 1046 - 1 = 1045

e. 9500
Ans: 9500 -1 = 9499

d. 7000 (**H.W.)**

3. Complete the given table.

Predecessor	Number	Successor
3245	**3246**	**3247**
7830	7831	**7832**
6480	**6481**	6482

Exercise 1.5

1. Write down the even numbers between 1500 and1520.
Ans: 1502, 1504, 1506, 1508, 1510, 1512, 1514, 1516, 1518.

2. Write down the odd numbers between 3170 and 3180.
Ans: 3171, 3173, 3175, 3177, 3179

3. Complete the series.

a. 5440 5442 **5444** **5446** 5448 **5450**

c. 7431 **7433** 7435 **7437** 7439 7441

4.Sort the given numbers as odd or even.

6734, 5783, 9921, 3310, 5558, 1006, 6335, 2244, 9867, 4001

Odd Numbers	**Even numbers**
5783	6734
9921	3310
6335	5558
9867	1006
4001	2244

ROUNDING OFF NUMBERS:

Exercise 1.6

1. Round off the following numbers to the nearest 10s.

a. 34
Ans: 3<u>4</u>
Here, 4 < 5
So, 34 is rounded down to 30.

e. 428
Ans: 42<u>8</u>
Here, 8 > 5
So, 428 is rounded up to 430.

d. 916 **H.W.**
Ans: 91<u>6</u>
Here, 6 > 5
So, 916 is rounded up to 920.

2. Round off the following numbers to the nearest 100s.

a. 236
Ans: 2<u>3</u>6
Here, 3 < 5
So, 236 is rounded down to 200.

c. 2103
Ans: 21<u>0</u>3
Here, 0 < 5
So, 2103 is rounded down to 2100.

d. 1758
Ans: 175̲8
Here, 5 = 5
So, 1758 is rounded up to 1800.

Reflection:

I have learnt:

- to find out place value and face value of 4-digit numbers.
- to find out the successor and predecessor of the given number.
- Round off numbers to the nearest 10s and 100s.

COMPETENCY BASED QUESTIONS:

QI Choose the correct option

1. The number which comes just after 5 TENS.

   a) 50 b) 51 c) 49 d) 59

2. In the number 6782, the difference between the face value and place value of the digit 7.

   a) 609 b) 610 c) 690 d) 693

QII. Answer in one word:

1. A library has books numbered 450 to 460. If Sara takes the book that comes just after 458, what is the number of her book?
   Ans. 459

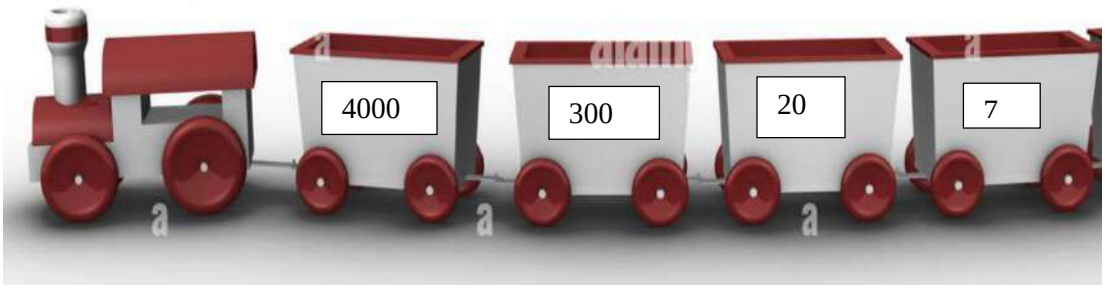
2. If you add 1 to the largest 3-digit number, what number do you get?
   Ans. Smallest 4-digit number 1000.

QIII. Solve the following:

1. I am a 4-digit number.
   My thousands place is 6.
   My tens place is 3.
   My one's place is double my tens place.
   My hundreds place is the greatest one-digit number.
   Who am I?

   Ans 6936

2.



The "Number Train" is carrying parts of a big number. When the carriages are hooked together, what is the total number?

4000 + 300 + 20 + 7 = _____

QIV. Case Stuy:

1. In a fun game, Zoe, Max, Emma, and Jack counted their school supplies.
Zoe: 3456 items, Max: 2879 items, Emma: 3567 items, Jack: 3120 items

Names	No. of items
Zoe	3456
Max	2879
Emma	3567
Jack	3120

i) Arrange their school supplies counts in ascending order to determine who had the most items.
Ans. 2879, 3120, 3456, 3567

ii) Who had the second-highest items?
Ans. Zoe

iii) Who had the least no. of items?
Ans. Max

iv) Who had the most no. of items?
Ans. Emma

CHAPTER- 2- ADDITION

Exercise 2.1

1. Add the following.

a.

	H	**T**	**0**
	7	5	4
+	2	4	3
	9	**9**	**7**

c.

	H	**T**	**0**
	5	8	3
+	2	1	2
	7	**9**	**5**

e.

	H	**T**	**0**
	5	6	3
	2	1	4
+	1	2	2
	8	**9**	**9**

f.

	H	**T**	**0**
	4	2	3
	1	2	1
+	2	2	3
	7	**6**	**7**

2. Arrange the following in columns and add.

a. 432 + 231 = **663**

	H	**T**	**0**
	4	3	2
+	2	3	1
	6	**6**	**3**

d. 876 + 101 = **977**

	H	**T**	**0**
	8	7	6
+	1	0	1
	9	**7**	**7**

f. 561 + 321 + 115 = 997

	H	**T**	**0**
	5	6	1
	3	2	1
+	1	1	5
	9	**9**	**7**

Exercise 2.2

1. Add the following.

a.

	Th	H	T	0
		1		
		7	6	5
+		5	6	4
	1	**3**	**2**	**9**

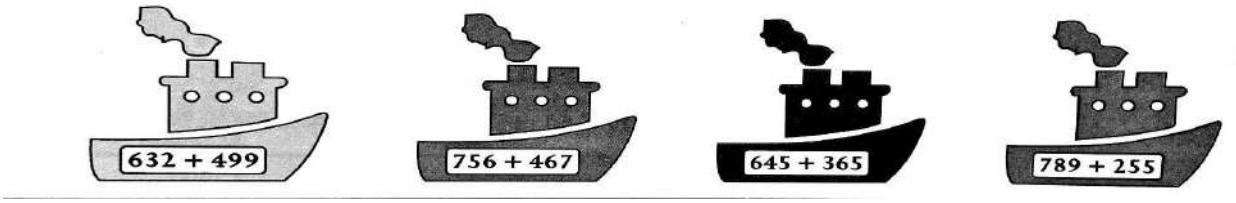
d.

	Th	H	T	0
		1	1	
		9	8	7
+		2	3	4
	1	**2**	**2**	**1**

f.

	Th	H	T	0
		5	8	3
+		5	1	2
	1	**0**	**9**	**5**

2. **Tanmay wants to go on a cruise with his father. Help him choose a boat the sum of whose addends is an even number. (Textbook)**



1,131	**1,223**	**1,010**	**1,044**

Ans: Tanmay can go in third and fourth boat on a cruise with his father.

Exercise 2.3

1. Add the following.

a.

	Th	H	T	0
	6	5	2	3
+	2	1	5	4
	8	**6**	**7**	**7**

b.

	Th	H	T	0
	8	9	7	4
+	1	0	2	5
	9	**9**	**9**	**9**

f.

	Th	H	T	0
	8	4	6	3
+	1	4	2	5
	9	**8**	**8**	**8**

2. Solve the following:

a. 4106 + 1212

	Th	H	T	0
	4	1	0	6
+	1	2	1	2
	5	**3**	**1**	**8**

b. 7120 + 1269

	Th	H	T	0
	7	1	2	0
+	1	2	6	9
	8	**3**	**8**	**9**

e. 7002 + 2356

	Th	H	T	0
	7	0	0	2
+	2	3	5	6
	9	**3**	**5**	**8**

Exercise 2.4

1. Add the following.

a.

	Th	H	T	0
	4	5	6	7
+	2	5	5	4
	7	**1**	**2**	**1**

b.

	Th	H	T	0
	3	4	7	8
+	1	6	7	8
	5	**1**	**5**	**6**

f.

	Th	H	T	0
	1		1	
	5	8	0	9
+	2	2	2	1
	8	**0**	**3**	**0**

2. Add:

a. 4267 + 1293

	Th	H	T	0
	4	2	6	7
+	1	2	9	3
	6	**5**	**6**	**0**

d. 1289 + 3281

	Th	H	T	0
	1	2	8	9
+	3	2	8	1
	4	**5**	**7**	**0**

f. 7299 + 1728

	Th	H	T	0
	1	1	1	
	7	2	9	9
+	1	7	2	8
	9	**0**	**2**	**7**

Exercise 2.5

1. Fill in the blanks.

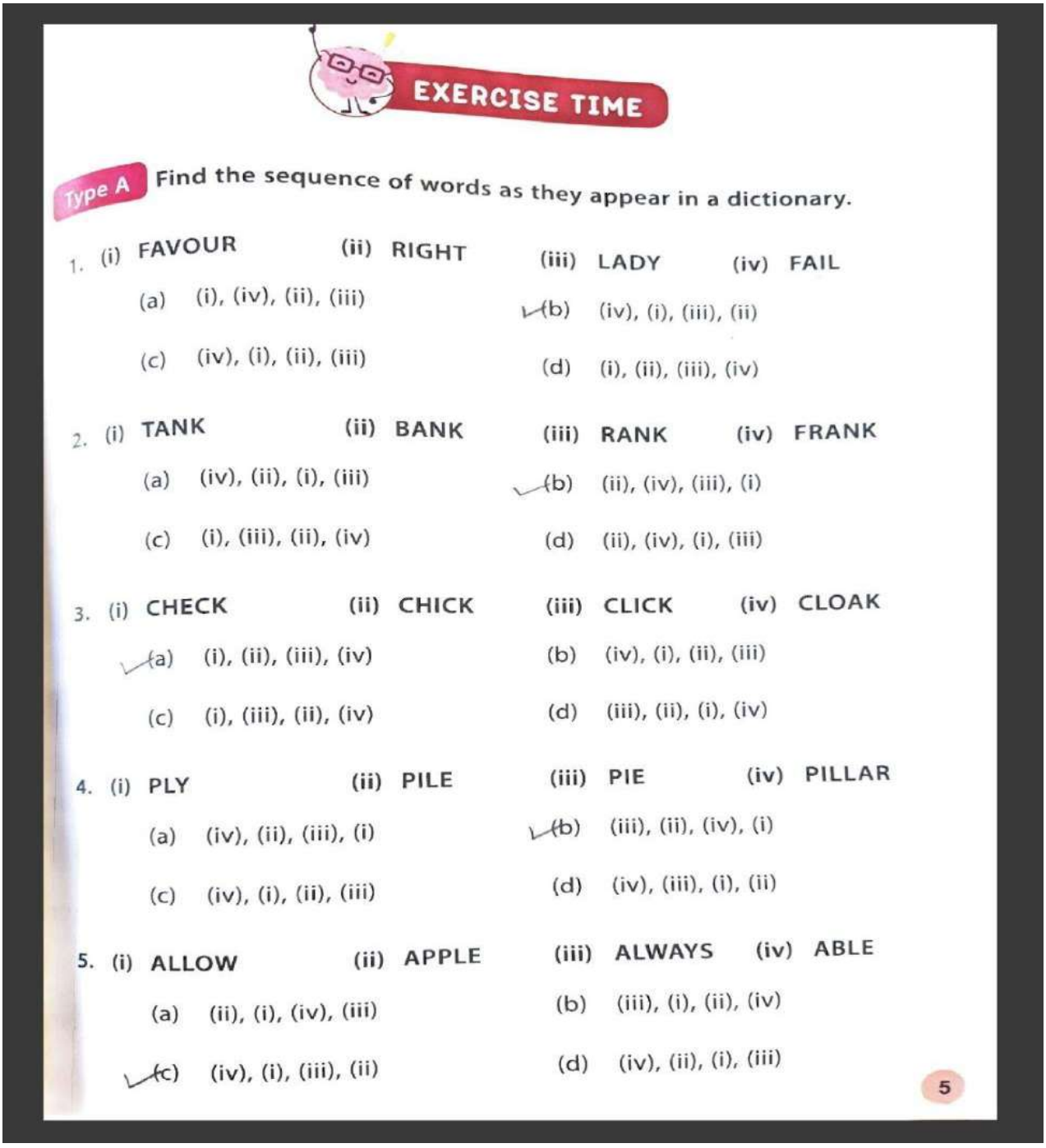
a. 2456 + 9876 = 9876 + 2456
b. 6543 + 0 = 6543
c. 4567 + 8765 = 8765 + 4567
d. 5555 + 1 = 5556
e. 0 + 4321 = 4321
f. 6342 + 1 = 6343

2. Write 'True' or 'False.

a. 5678 + 0 = 5679 False
b. 999 + 1 = 998 False
c. 2345 + 5432 = 5432 + 2345 True
d. 7777 + 0 = 7777 True
e. 253 + 1 = 253 False
f. 5643 + 3452 = 3452 + 5644 False

Thinking Skills

Chapter-1 Alphabet Test



EXERCISE TIME

Type A Find the sequence of words as they appear in a dictionary.

1. (i) FAVOUR (ii) RIGHT (iii) LADY (iv) FAIL

   (a) (i), (iv), (ii), (iii)
   (b) (iv), (i), (iii), (ii)
   (c) (iv), (i), (ii), (iii)
   (d) (i), (ii), (iii), (iv)

2. (i) TANK (ii) BANK (iii) RANK (iv) FRANK

   (a) (iv), (ii), (i), (iii)
   (b) (ii), (iv), (iii), (i)
   (c) (i), (iii), (ii), (iv)
   (d) (ii), (iv), (i), (iii)

3. (i) CHECK (ii) CHICK (iii) CLICK (iv) CLOAK

   (a) (i), (ii), (iii), (iv)
   (b) (iv), (i), (ii), (iii)
   (c) (i), (iii), (ii), (iv)
   (d) (iii), (ii), (i), (iv)

4. (i) PLY (ii) PILE (iii) PIE (iv) PILLAR

   (a) (iv), (ii), (iii), (i)
   (b) (iii), (ii), (iv), (i)
   (c) (iv), (i), (ii), (iii)
   (d) (iv), (iii), (i), (ii)

5. (i) ALLOW (ii) APPLE (iii) ALWAYS (iv) ABLE

   (a) (ii), (i), (iv), (iii)
   (b) (iii), (i), (ii), (iv)
   (c) (iv), (i), (iii), (ii)
   (d) (iv), (ii), (i), (iii)

5

Type B **Form a meaningful word by rearranging the digits corresponding to the given letters.**

6. R U C D

   1 2 3 4

   (a) 2134 (b) 3124 (c) 4213 (d) 3214

7. L R D O

   1 2 3 4

   (a) 2134 (b) 1423 (c) 4213 (d) 3214

8. R W D O

   1 2 3 4

   (a) 2413 (b) 1423 (c) 4213 (d) 3214

9. S T E R

   1 2 3 4

   (a) 2413 (b) 1423 (c) 4312 (d) 3214

10. T E A R H

    1 2 3 4 5

    (a) 24135 (b) 23415 (c) 43152 (d) 32145

11. G I N R

    1 2 3 4

    (a) 2413 (b) 4231 (c) 4312 (d) 3214

12. E H M O
1 2 3 4

(a) 2431 (b) 4231 (c) 4312 (d) 3214

13. C E M O
1 2 3 4

(a) 2431 (b) 4231 (c) 4312 (d) 1432

14. L E B U
1 2 3 4

(a) 2431 (b) 4231 (c) 3142 (d) 1423

15. R I B D
1 2 3 4

(a) 3214 (b) 4231 (c) 3142 (d) 1423

Type C **Choose the word that can be formed using the letters of the given word.**

16. **NOTEBOOK**

(a) BOOK (b) TENT (c) LOOK (d) HOOK

17. **PARENT**

(a) RANGE (b) PEST (c) RENT (d) TREE

18. **BLANKET**

(a) BLUE (b) AXE (c) KITE (d) ANT

19. **MATHEMATICS**

(a) HEART (b) ARTISTIC (c) HATE (d) COSMETICS

20. **EDUCATION**

(a) CALCULATION (b) DEDUCTION

(c) NATION (d) ACTION

Type D **Find the word that cannot be formed using the letters of the given word.**

21. **TEACHER**

(a) TEA (b) EAR (c) TEACH (d) HEN

22. **ORPHANAGE**

(a) PEN (b) ORANGE (c) PAIN (d) HANG

23. **MANNERS**

(a) MAN (b) EARS (c) RANGE (d) MEN

24. **COLLECTION**

(a) ACTION (b) COLLECT (c) LION (d) TONE

25. **KITCHEN**

(a) KIT (b) TIP (c) HEN (d) TEN

Type E **Form a meaningful word using the given letters and find the catego to which it belongs.**

26. **OSNE** NOSE

✓(a) Body part (b) Fruit (c) Colour (d) Bird

27. **OWRC** CROW

✓(a) Bird (b) Fruit (c) Colour (d) Body part

28. **AOGT** GOAT

(a) Body part ✓(b) Animal (c) Bird (d) Colour

29. **PLEPA** APPLE

✓(a) Fruit (b) Body part (c) Colour (d) Bird

30. **WLOEYL** YELLOW

(a) Body part ✓(b) Colour (c) Animal (d) Fruit

31. **NSAYUD** SUNDAY

(a) Bird (b) Fruit

✓(c) Name of day (d) Body part



BRAIN BOOSTER

I am a five-letter word for an object on which you sit.
If you remove my first letter, then I become a part of your head.
If you remove my first and second letters, then I am all around you.
Who am I?