DELHI PUBLIC SCHOOL, GANDHINAGAR

CLASS : 5 **SUBJECT: MATHS**

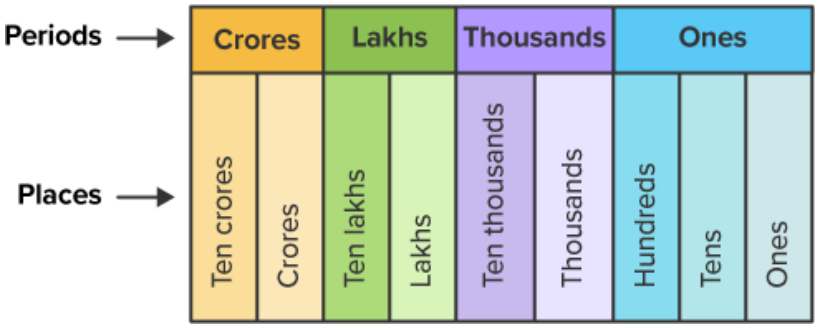
Academic Session 2026-27

SAMPLE NOTEBOOK-APRIL and MAY

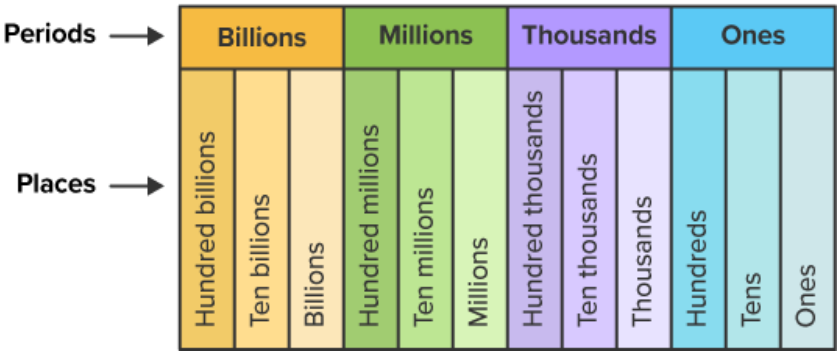
CHAPTER-1 LARGE NUMBERS

Billions will not be written in the notebook, but it will be taught.

Indian Place Value Chart



International Place Value Chart



Exercise-1.1

Q.1 Complete the table below.

PERIODS	**CRORES**		**LAKHS**		**THOUSANDS**		**ONES**		
Place values	**TC**	**C**	**TL**	**L**	**T TH**	**TH**	**H**	**T**	**O**
a)134098238	**1**	**3**	**4**	**0**	**9**	**8**	**2**	**3**	**8**
b) 99999986		**9**	**9**	**9**	**9**	**9**	**9**	**8**	**6**

Q2 Insert commas as per the Indian and International systems of numeration and write the numbers in words.

a) 17289103

1,72,89,103

Indian System: 1,72,89,103 = One crore seventy-two lakh eighty-nine thousand one hundred three

International System: 17,289,103 = Seventeen million two hundred eighty-nine thousand one hundred three

c) **39,99,20,102**

39,99,20,102
Indian System = Thirty-nine crore ninety-nine lakh twenty thousand one hundred two
399,920,102
International System = Three hundred ninety-nine million nine hundred twenty thousand one hundred two.

e) 829910201 (HW)

Q.3.Write down the following number names in the International system of numeration.

a) Sixty-five lakh ninety thousand five hundred four – 65,90,504
6,590,504 = Six million five hundred ninety thousand five hundred four

c) Ninety nine lakh nine hundred ninety nine: 99,00,999
9,900,999= Nine million nine hundred thousand nine hundred ninety-nine

e) Ninety crore fifty nine lakh seventy-four thousand five hundred = 90,59,74,500
905,974,500 = Nine hundred five million nine hundred seventy-four thousand five hundred.

Q.4. Write the place value and face value of the digit 7 in the following numbers.

a) 20398765
Place Value of 7 is 700 and its face value is 7.

c) 378906541
Place Value of 7 is 70000000 and its face value is 7.

Q.5 Write the expanded form of the following numbers.

a) 67,33,38,909= 600000000 + 70000000 + 3000000 + 300000 + 30000 + 8000 + 900 +0+ 9

c) 45,63,21,670 = 400000000 + 50000000 + 6000000 + 300000 + 20000 + 1000 + 600 + 70+0

e) 16,29,08,765 (HW)

EXERCISE-1.2

Q.1 Write the following numbers in ascending order**.**

a) 8904523, 56789, 3456789, 2390875
56789 < 2390875 < 3456789 < 8904523

c) 7092376, 2000987, 3007890, 5430982
2000987 < 3007890 < 5430982 < 7092376

Q.2 Write the following numbers in descending order.

a) 7,00,000, 3,00,000, 39,000, 5,60,000, 10,00,000

10,00,000 > 7,00,000 > 5,60,000 > 3,00,000 > 39,000

c) 40,08,976 , 8,93,40,021 , 78,30,276 , 7,87,87,878

89340021 > 78787878 > 7830276 > 4008976

Q.3 Form the smallest and the greatest numbers possible using the given digits without repetition.

a) 6, 5, 7, 4, 9, 8, 3

Smallest number = 34,56,789

Greatest number = 98,76,543

c) Given digits = 4, 5, 3, 2, 1, 9, 0, 8

Smallest number = 1,02,34,589

Greatest number = 9,85,43,210

Exercise-1.3

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

a) 2345

Round off the number to the nearest 10s, let us check the, digit at ones place

the digit at ones place is 5, so we round up the number to the next ten.

5 = 5

Thus, 2345 rounded off to the nearest 10s is 2350

c) 78902876

Digit at ones place is 6 which is more than 5, so we round up the number to the next ten.

6 > 5

Thus, 78902876 rounded off to the nearest 10s is 78902880.

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

a) 980765

In order to round off the number to the nearest 100s, let us check the digit at tens place.

Digit at tens place is 6 which is more than 5, so we round up the number to the next hundred

6 > 5

Thus, 980765 rounded off to the nearest 100s is 980800.

c) 78960000

Digit at tens place is 0 which is less than 5, so we round down the number to the next hundred

5 > 0

Thus, 78960000 rounds off to nearest 100s is 78960000.

Q3 Self Practice (Text Book)

Q.4 Round off the following numbers to the nearest 1000s.

a) 56789023

Digit at hundreds place is 0, so we round down the number to the previous thousand.

0 < 5

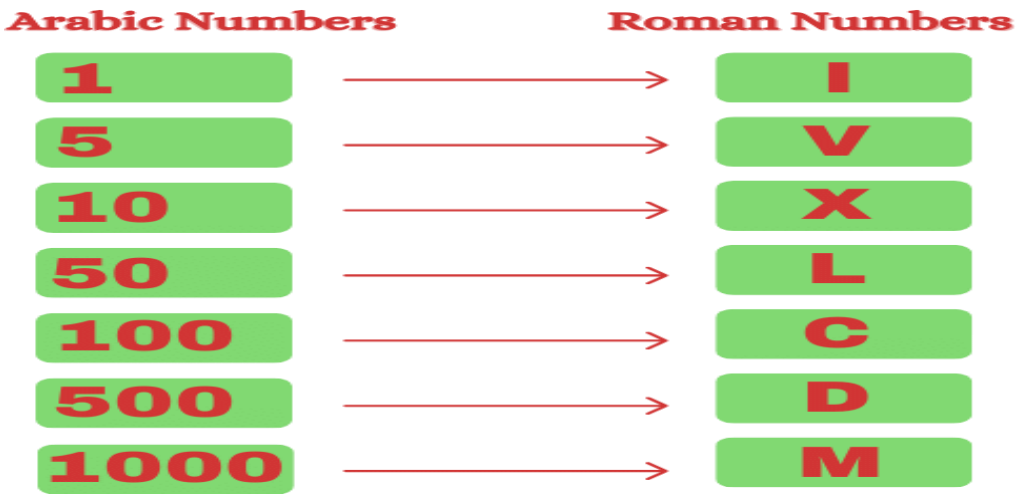
Thus, 56789023 rounded off to the nearest 1000s is 56789000.

c) 23456450
Digit at hundreds place is 4, so we round down the number to the previous thousand.
5 > 4
Thus, 23456450 rounds off to nearest 1000s is 23456000.

Q.5 HW in Textbook

Rules for Forming Roman Numerals

(Pg no. 10 in Textbook – Explanation)



Exercise-1.4

Q1 Write the following Hindu-Arabic numbers as Roman numerals.

a) 23
20+3=XXIII

c) 90
= 100 – 10
= XC

e) 365
= 100 + 100 + 100 + 50 + 10 + 5
= CCCLXV

f) 449
= (500-100) + (50-10) + (10 – 1)
= CDXLIX

h) 750
500 + 100 +100 +50
= DCCL

Q2 Write the following Roman numerals as Hindu-Arabic numbers.

a) LXIX = 50+10+9 = 69

c) CXCVI = 100+90+6 =196

d) HW

Q3 Which of the following do not represent a roman numeral?

Ans a) IC is meaningless as symbol I is subtracted only from V and X.

b) CXXXXVI is incorrect as no symbol is repeated more than three times in a row.

c) LLIV is meaningless as symbols V, L and D is not repeated at all.

Q.4 Compare and insert >, < or = sign in each box.

a) XCIII $\leq$ CXIII
90+3 100+10+3
93 113

c) CD $\leq$ CCCXC
500 – 100 300 + 90
400 390

Q.5 Solve.

a) XCVIII+ CCCL
(90 + 8) + (300 + 50)
98 + 350 = 448
CDXLVIII

c) CCCXCVII – CXCVIII
(300 +90 + 7) – (100 + 90 + 8)
397 – 198 = 199
CXCIX

Q6 Identify the mistake in the given roman numbers and correct them.

a) VL = 45
Ans Incorrect Rule : V ,L and D are never subtracted.

b) XXXX = 40
Ans Incorrect Rule : No symbol is repeated more than three times.

Competency based Questions

QI **Choose the correct option.**

1. The predecessor of thirty lakh five hundred and eighty-six is _____.

   a. 3,50,085 **b. 30,00,585** c. 30,500,086 d. 3,500,860

2. The smallest number formed by interchanging two digits of 21,456 is _____

   a. 12,456 b. 12,546 c. 65,421 d. 21,654

QII **Answer in one word.**

3. In the Indian place value system, we use commas after digits from the right most side in the pattern . True (T/ F)

4. One thousand fifty more than 555,053 is less than 555,350. False (T

QIII **Solve the following.**

5. Match the following.

Column I	Column II
a) CCXV	i) 120
b) DLXIX	ii) 145
c) CXX	iii) 215
d) CXLV	iv) 569

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

6. Find the sum of four crore three and two lakh twenty.
Ans 40200023

QIV **Case Study.**

Ankita was given the digits 0, 7, 3, 5, 8 and 9. She was asked to form the smallest 7-digit number by repeating any one digit. Rama was given the same digits and was asked to form the greatest 7-digit number by repeating any one digit. Based on the given data, answer the following questions:

a) What is the number formed by Ankita?
Ans 30,05,789

b) What is the successor of the number formed by Ankita?
Ans 30,05,790

c) What is the number formed by Rama?
Ans 99,87,530
d) Write both the numbers in expanded form.
Ans Ankita's number : 30,05,789 ; 30,00,000 + 5,000 + 700 + 80 + 9
Rama's number : 99,87,530 : 90,00,000 + 9,00,000 + 80,000 + 7,000 + 500 + 30
e) What would be largest 9-number that can be formed using these digits (you can repeat the digits)
Ans;99,99,87,530

LINK FOR CHAPTER 1 LARGE NUMBERS

https://forms.gle/UasKA4oMc5h1U9ZH9

CHAPTER-2 FOUR OPERATIONS

EXERCISE -2.1

Q.1 **Add the following.**

a) 13,65,042 + 11,31,741

	1	3	6	5	0	4	2
+	1	1	3	1	7	4	1
	2	**4**	**9**	**6**	**7**	**8**	**3**

d) 78,23,455 + 2,21,56,222

		7	8	2	3	4	5	5
+	2	2	1	5	6	2	2	2
	2	**9**	**9**	**7**	**9**	**6**	**7**	**7**

g) 5,68,78,585 + 63,58,868 (self-practice)

d) 4,99,23,858 + 7,84,10,864 (H.W)

Q.2 **Subtract the following**.

b) 98,44,885 – 87,62,152

	9	8	4	4	8	8	5
-	8	7	6	2	1	5	2
	1	**0**	**8**	**2**	**7**	**3**	**3**

d) 6,89,92,292 – 4,78,81,161

	6	8	9	9	2	2	9	2
-	4	7	8	8	1	1	6	1
	2	**1**	**1**	**1**	**1**	**1**	**3**	**1**

f) 30,18,391 – 19,98,899

	3	0	1	8	3	9	1
-	1	9	9	8	8	9	9
	1	**0**	**1**	**9**	**4**	**9**	**2**

h) 7,25,55,852 – 1,26,88,643

7	2	5	5	5	8	5	2
-1	2	6	8	8	6	4	3
5	**9**	**8**	**6**	**7**	**2**	**0**	**9**

Q3 Solve the following.

a) 16,75,994 + 1,21,333 – 76,223

	1	6	7	5	9	9	4
+		1	2	1	3	3	3
	1	**7**	**9**	**7**	**3**	**2**	**7**

	1	7	9	7	3	2	7
-			7	6	2	2	3
	1	**7**	**2**	**1**	**1**	**0**	**4**

C) 1,17,77,909 – 6,21,008 + 1,21,568

1	1	7	7	7	9	0	9
+		1	2	1	5	6	8
1	**1**	**8**	**9**	**9**	**4**	**7**	**7**

1	1	8	9	9	4	7	7
-		6	2	1	0	0	8
1	**1**	**2**	**7**	**8**	**4**	**6**	**9**

e) 25,42, 734 + 76,999 - 87,444

	2	5	4	2	7	3	4
+			7	6	9	9	9
	2	**6**	**1**	**9**	**7**	**3**	**3**

	2	6	1	9	7	3	3
–			8	7	4	4	4
	2	**5**	**3**	**2**	**2**	**8**	**9**

EXERCISE-2.2

Q.1 **Multiply the following.**

a) 7747 × 696

					7	7	4	7
				×		6	9	6
				4	6	4	8	2
	+		6	9	7	2	3	×
	+	4	6	4	8	2	×	×
		5	**3**	**9**	**1**	**9**	**1**	**2**

c) 7588 × 239

					7	5	8	8
				×		2	3	9
				6	8	2	9	2
	+		2	2	7	6	4	×
	+	1	5	1	7	6	×	×
		1	**8**	**1**	**3**	**5**	**3**	**2**

g) 4271 × 189

					4	2	7	1
				×		1	8	9
				3	8	4	3	9
	+		3	4	1	6	8	×
	+		4	2	7	1	×	×
			8	**0**	**7**	**2**	**1**	**9**

h) 3,516 × 175

					3	5	1	6
				×		1	7	5
				1	7	5	8	0
	+		2	4	6	1	2	×
	+		3	5	1	6	×	×
			6	**1**	**5**	**3**	**0**	**0**

Q2 **Arrange the numbers in column and solve.**

b) 9035 × 8634

					9	0	3	5
				×	8	6	3	4
				3	6	1	4	0
	+		2	7	1	0	5	×
	+	5	4	2	1	0	×	×
	7	2	2	8	0	×	×	×
	7	**8**	**0**	**0**	**8**	**1**	**9**	**0**

f) 4218 × 1940

					4	2	1	8
				×	1	9	4	0
				0	0	0	0	0
	+		1	6	8	7	2	×
	+	3	7	9	6	2	×	×
		4	2	1	8	×	×	×
		8	**1**	**8**	**2**	**9**	**2**	**0**

g) 1,278 × 3,218

h) 1678 × 2467 (HW)

Exercise-2.3

Q.1 Multiply the following.

2) 14103 × 7

	1	4	1	0	3
×					7
	9	**8**	**7**	**2**	**1**

4) 52836 × 9

	5	2	8	3	6
×					9
4	**7**	**5**	**5**	**2**	**4**

7) 36787 × 52

		3	6	7	8	7
	×				5	2
		7	3	5	7	4
1	8	3	9	3	5	×
1	**9**	**1**	**2**	**9**	**2**	**4**

8) 73180 × 27

		7	3	1	8	0
	×				2	7
	5	1	2	2	6	0
1	4	6	3	6	0	×
1	**9**	**7**	**5**	**8**	**6**	**0**

Exercise-2.4

Q1 Solve the following.

1) 56435 × 10= 564350

3) 24356 × 20 = 487120

5) 35647 × 30 = 1069410

7) 35366 × 1000 = 35366000

Q1 Solve the following and find quotient and remainder

Exercise 2.5

1.

```
      0003
665) 2151 (
     −0
     ----
      21
     − 0
     ----
      215
     −  0
     ----
      2151
     −1995
     -----
       156
```

Quotient = 3 and Remainder = 156

2.

```
      0013
531) 7251 (
     −0
     ----
      72
     − 0
     ----
      725
     −531
     ----
      1941
     −1593
     -----
       348
```

Quotient = 13 and Remainder = 348

7.

```
      0042
235) 9899 (
     −0
     ----
      98
     − 0
     ----
      989
     −940
     ----
       499
     − 470
     -----
        29
```

Quotient = 42 and Remainder = 29

8.

```
      0023
324) 7584 (
     −0
     ----
      75
     − 0
     ----
      758
     −648
     ----
      1104
     − 972
     -----
       132
```

Quotient = 23 and Remainder = 132

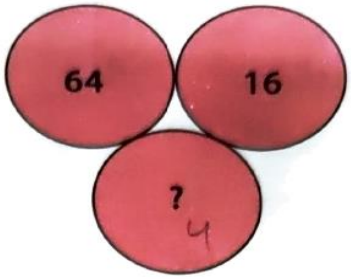
THINKING SKILLLS

EXERCISE TIME

Type A Find the missing term.

1.

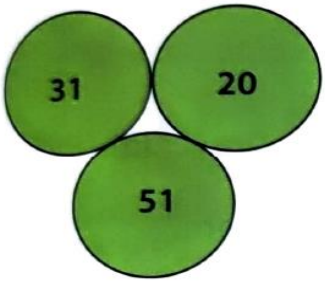
9÷6

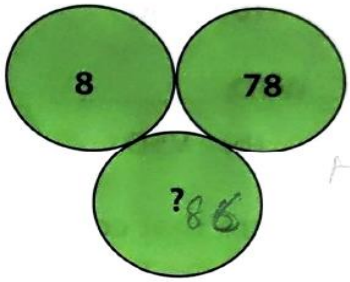


64÷16

(a) 1 (b) 6 (c) 3 ~~(d) 4~~

2.





(a) 70 ~~(b)~~ 86 (c) 83 (d) 91

3. 103, 202, 301, 400, _____ +99

(a) 503 (b) 500 ~~(c)~~ 499 (d) 501

4. 470, 575, 680, 785, _____ +105

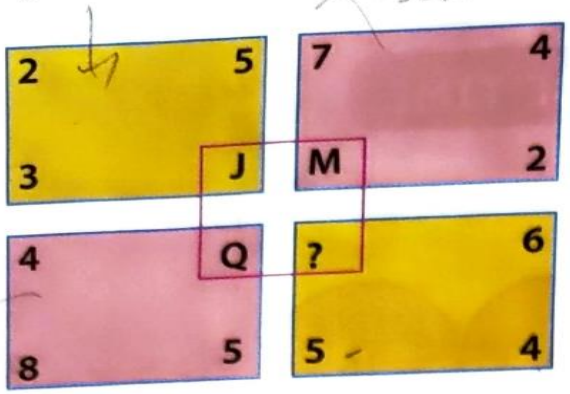
(a) 790 (b) 885 (c) 895 ~~(d)~~ 890

5. 7, 14, 28, 56, _____ ×2

(a) 87 (b) 92 (c) 105 ~~(d)~~ 112

6. BD, FH, JL, NP, _____ skip one alphabet

(a) QR (b) PQ ~~(c)~~ RT (d) ST

7. 

(a) N (b) O (c) P (d) R

8. ABZ, CDY, EFX, GHW, _____

(a) IKL (b) IJV (c) IJU (d) IPL

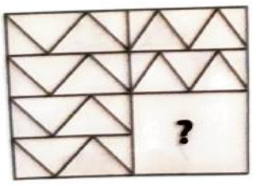
9. A1B, B2C, C3D, D4E, _____

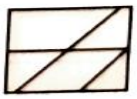
(a) F5G (b) F6G (c) E5F (d) E6G

10. Z1A, Y2B, X3C, W4D, _____

(a) E5V (b) V5D (c) V5E (d) V5F

Type B **Find the figure that completes the given pattern.**

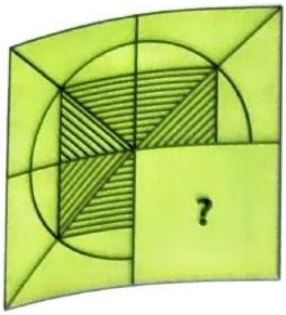
11. 

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

12. 

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

13.



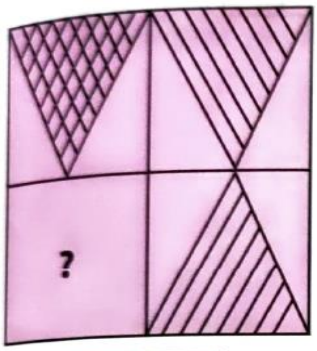
(a) 

(b) 

(c) 

(d) 

14.



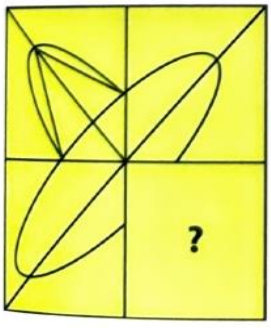
(a) 

(b) 

(c) 

(d) 

15.



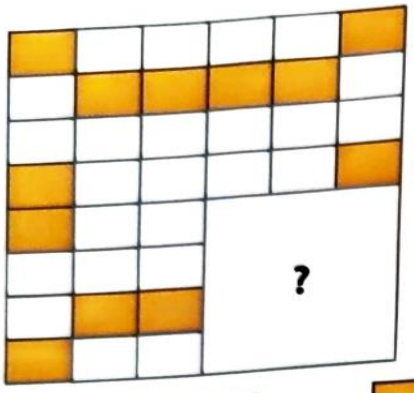
(a) 

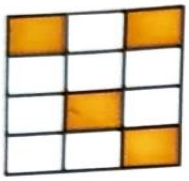
(b) 

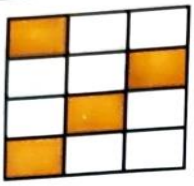
(c) 

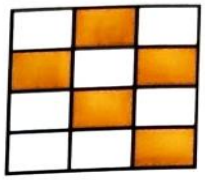
(d) 

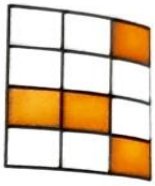
16.



(a) 

(b) 

(c) 

(d) 

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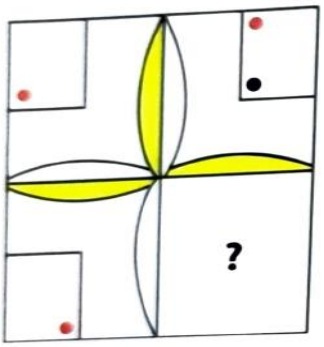
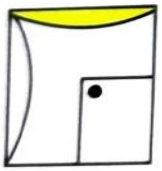
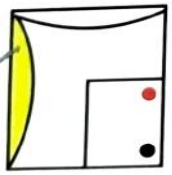
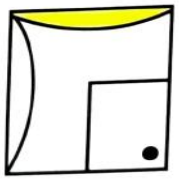
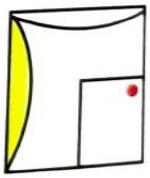


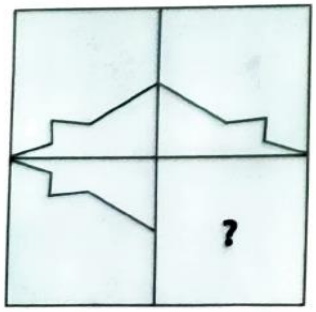
(a) 

(b) 

(c) 

(d) 

18.



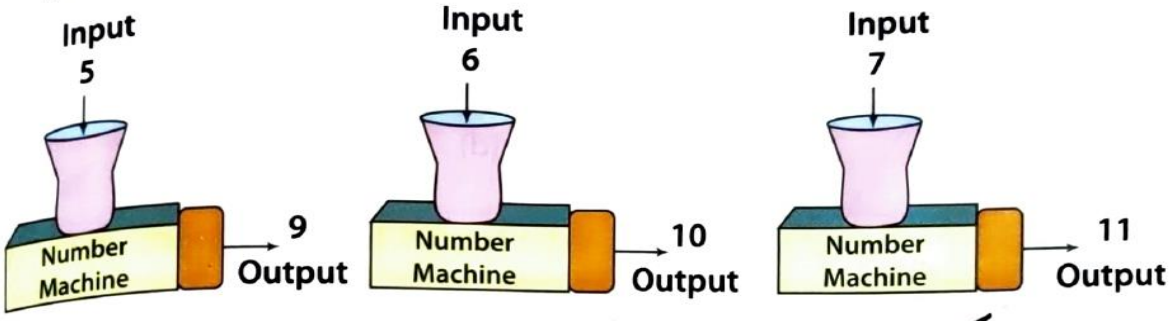
(a) 

(b) 

(c) 

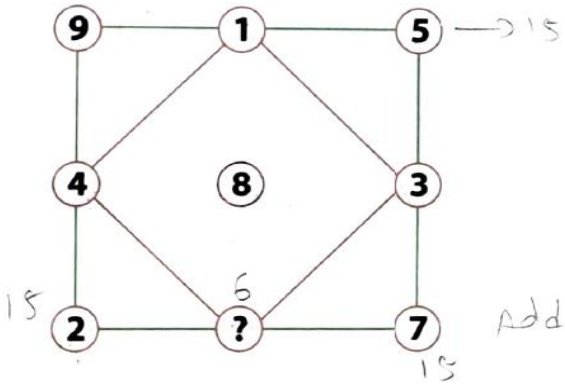
(d) 

19. **This number machine uses the same rule each time to find the output as shown here. If the input (n) is number, which rule could the machine have used to find the output?**



(a) $n \times 4$ (b) $n \div 4$ (c) $n - 4$ (d) $n + 4$

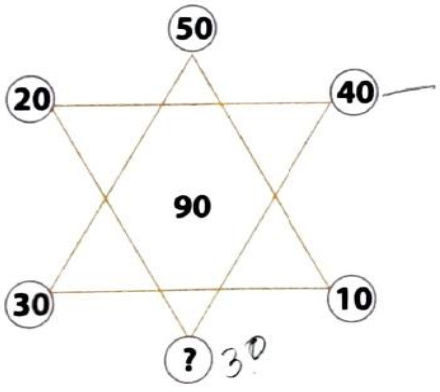
20. **Which number replaces the question mark?**



Add vertically/diagonally
Horizontal total is 15.

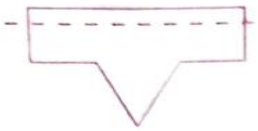
(a) 5 (b) 6 (c) 8 (d) 9

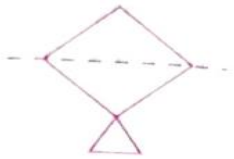
21. **Study the figure below. What is the missing number in the given figure?**

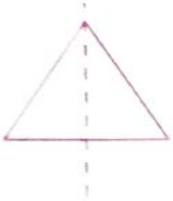


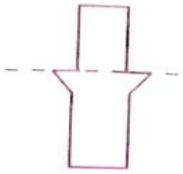
(a) 10 (b) 20 (c) 30 (d) 40

. **Which of the given figures has the line of symmetry drawn correctly?**

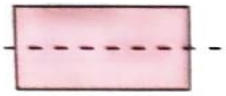
(a) 

(b) 

(c) 

(d) 

3. **Which of the given figures has the line of symmetry drawn incorrectly?**

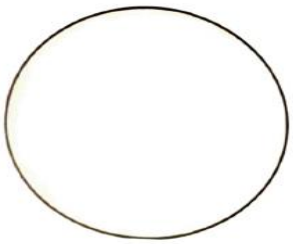
(a) 

(b) 

(c) 

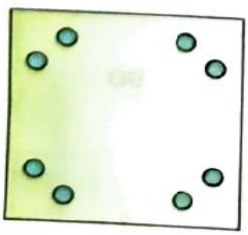
(d) 

24. **What is the order of symmetry in the given figure?**



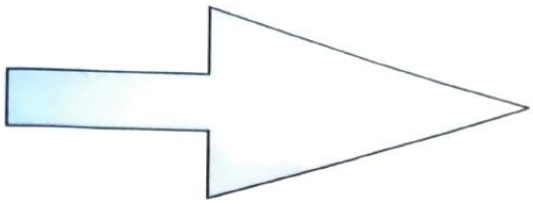
(a) 1 (b) 2 (c) 3 (d) Infinite

25. **Find the number of line(s) of symmetry in the following figure.**



(a) 8 (b) 2 (c) 4 (d) Infinite

26. What is the number of line(s) of symmetry in the given figure?



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

27. Ali prepared the input-output table as shown below.

Input	Output
6	30
7	35
11	55
4	20

What rule did he use to find out the output?

(a) Input divided by 4
(b) Input multiplied by 4
(c) Input divided by 5
(d) Input multiplied by 5

Type C Find the incorrect term in the given series.

28. 1, 3, 7, 15, 26, 63

(a) 3
(b) 7
(c) 26
(d) 63

29. 0, 1, 4, 10, 16, 25, 36, 49

(a) 0
(b) 10
(c) 25
(d) 36

30. 1215, 405, 135, 45, 15, 3

(a) 3
(b) 15
(c) 1215
(d) 135

31. 101, 202, 404, 808, 909

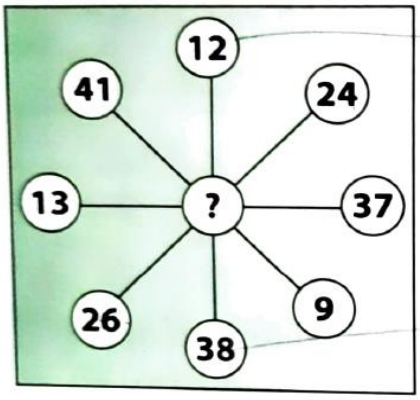
(a) 404
(b) 202
(c) 808
(d) 909

32. 1, 2, 4, 8, 18, 32, 64

(a) 2
(b) 8
(c) 18
(d) 64

Type D **Find the missing number.**

33.

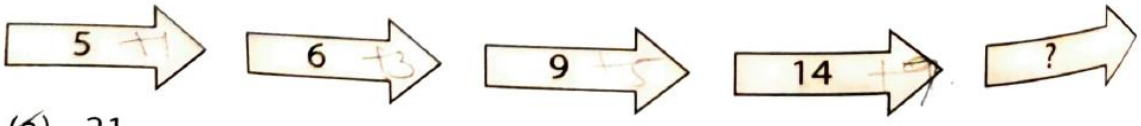


(a) 26
(b) 24
(c) 32
(d) 50

34.

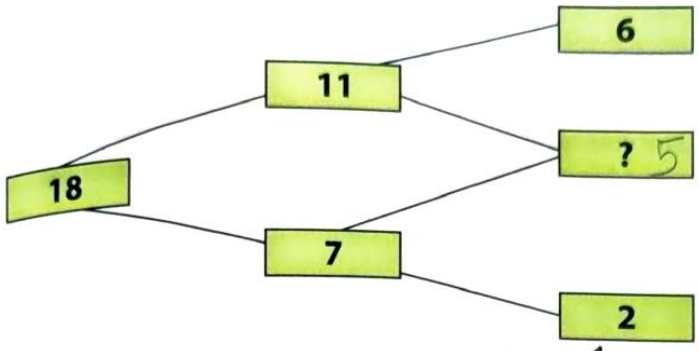
(a) 39
(b) 48
(c) 46
(d) 51

35.



(a) 21
(b) 23
(c) 27
(d) 19

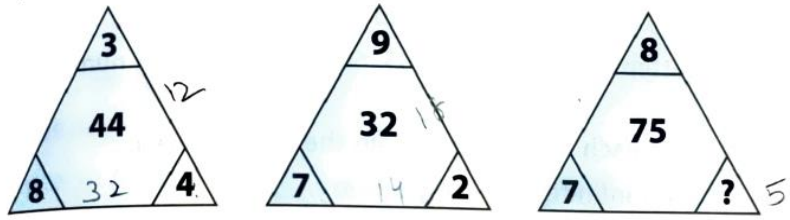
36.



(a) 3 (b) 5

(c) 9 (d) 4

37.

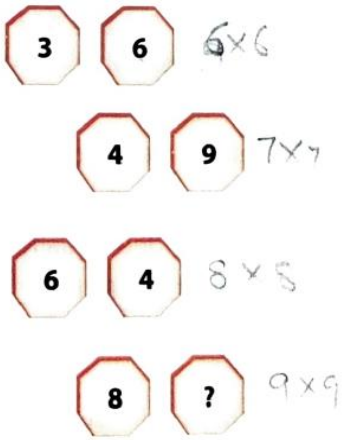


(a) 4 (b) 3

(c) 5 (d) 9

BRAIN BOOSTER

Which number replaces the question mark?



(a) 1 (b) 3 (c) 5 (d) 7

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

EXERCISE TIME

1. If WOULD is written as VNTKC and TARGET is written as SZQFDS in a code language, then how will 'BUILDING' be written in that language?

   (a) CHMFINTK (b) AHTTCHMF

   (c) ATHKCHMF (d) DITKHCMF

2. If ZYXW is coded as ABCD, then STUV will be coded as _____.

   (a) EFGH (b) HGFE (c) GHIJ (d) JIHG

3. If BCD is coded as DEF, then TRUE will be coded as _____.

   (a) VTWG (b) USVF (c) GWTV (d) FVSU

4. If HYDERABAD is coded as IXEDSZCZE, then MUMBAI will be coded as _____.

   (a) NVNCBJ (b) NTNABH (c) TNTBAH (d) FGMOZJ

5. If APPLE is coded as 25563 and GROUND is coded as 971480, then ORANGE will be coded as _____.

   (a) 172398 (b) 172983 (c) 172893 (d) 172839

6. In a certain code, COMPUTER is written as RFUVQNPC. How will TRACTOR be written in the same code?

   (a) RPUDBST (b) RPUBDST (c) RPUDBTS (d) RUPDBST

7. In a code language, A is written as B, B is written as C, C is written as D and so on. How will SCHOOL be written in that code language?

   (a) TDGNNM (b) TDGPPM (c) TDIPPM (d) TCIPPM

8. If CALM is written as HEOO, then ROSE will be written as _____.

   (a) WSVG (b) VRUF (c) XTWH (d) WSUG

9. If INDORE is coded as *<>123 and NAGPUR is coded as <#9862, then how is INDIA coded in the same language?

   (a) *< >*# (b) *><#* (c) *<># (d) *<>*2

10. **In a certain code language, INSTITUTION is written as NOITUTITSNI. How is SATISFACTION written in that language?**

(a) NOTIACFISTSA (b) NOITCAFSITAS

(c) ONITSATISFCA (d) NOITACFSITAS

11. **In a certain language, CHAMPION is coded as HCMAIPNO. How is POSITIVE coded in that language?**

(a) OPISITEV (b) OPSIVEIT (c) POISTVIE (d) SIPOTIEV

12. **If PEOPLE is coded as PLPOEE, then how will TOUGH be coded?**

(a) GTUOH (b) TGHOU (c) TGUOH (d) TGOUH

13. **In a certain code language, MUNICIPALITY is written as UMINICAPILYT. How will STATUE be written in that language?**

(a) TSATEU (b) STAUET (c) TEUSTA (d) TSTAEU

14. **In a certain code language, 56759 is coded as INDIA and 129630 is coded as FRANCE, then how is 125067 coded?**

(a) INDIRA (b) DIFFER (c) FRIEND (d) FREEDOM

15. **If ROSE is coded as 6821 and CHAIR is coded as 73456, then what will be the code for SEARCH?**

(a) 246173 (b) 214673 (c) 214763 (d) 216473

16. **If Z is coded as 26 and ACT is coded as 24, then BAT will be coded as _____.**

(a) 38 (b) 32 (c) 23 (d) 28

17. **If EDUCATION is written as 123456789, then how is AUCTION written?**

(a) 3456789 (b) 5346789 (c) 5346798 (d) 4576389

18. **In a certain code language, A is coded as 1, B is coded as 2 and so on. Then RACE is coded as _____.**

(a) 16134 (b) 15423 (c) 18135 (d) 18153

19. **PUSH is coded as 1234 and ROUGH is coded as 65274. How will SOUP be coded?**

(a) 3521 (b) 3251 (c) 3512 (d) 3522

20. If DOOR is coded as 1002, CAR is coded as 352, then ROAD is coded as _____.

(a) 5021 (b) 2051 (c) 2501 (d) 2015

21. In a certain code language, MISSIONS is written as LHRRHNMR. How is ONLINE written in that language?

(a) NMKHMD (b) POMJOF

(c) NMHKMD (d) NMKHDM

22. In a certain code language, FROZEN is written as IURCHQ. How is STOLEN written in that language?

(a) OFMUPT (b) OFTMPU (c) VWROHQ (d) OFMPUT

23. In a certain code language, SOAR is written as VRDU. How is SEAL written in that code?

(a) VXDQ (b) VHDO (c) SOAR (d) SOUR

24. In a certain code language, LOST is written as MNTS. Which of the following words is written as KZQZO in that language?

(a) MEXICO (b) MERCURY (c) JAPAN (d) CHINA

25. In a certain code language, MILTON is written as IMTLNO. How is PALACE written in that code language?

(a) APALEC (b) PLACAE (c) APLAEC (d) PALECA

26. In a certain code language, CURTAIN is coded as BVQUZJM. Then, how will MUNDANE be coded?

(a) LYMEZOD (b) NTCOMBF (c) NTOCNBF (d) LVMEZOD

27. In a certain code language, ELEVATOR is coded as LEVETARO. How will LIZARD be coded in that language?

(a) DRAZIL (b) ARDLIZ (c) IZLADR (d) ILAZDR

28. In a certain code language, GEOMETRY is written as GRTEMOEY. How will MOBILE be written in that language?

(a) MOBLIE (b) MLIBOE (c) MOBELI (d) MELIBO