

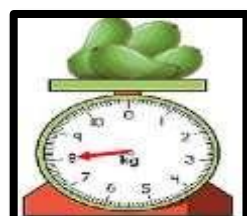


Delhi Public School Gandhinagar
Academic Session 2025-26
INTERNATIONAL MATHS
OLYMPIAD (IMO)

Student Name:		
Total Questions : 50	Guidelines for the Candidate	Time : 1 hr
1.	Additional 10 minutes will be given to the students to fill up the students' information before the start of the exam.	
2.	All questions are compulsory. There is no negative marking. Use of calculator is not permitted.	
3.	Write your Roll no, Name and Class clearly on the answer sheet and do not forget to sign.	
4.	There is only one correct answer hence mark one choice only.	
5.	Darken your choice with HB pencil or Blue/Black ball point pen.	
6.	Rough work should be done in the blank space provided in the booklet.	
7.	Return the answer sheet to the invigilator at the end of the exam. The question paper can be retained by the student.	

Tick the correct answer.

Q1. Observe the picture and answer the questions:



What is the total weight of mangoes and books?

- | | |
|---------|----------|
| a. 11kg | c. 13kg |
| b. 18kg | d. 21 kg |

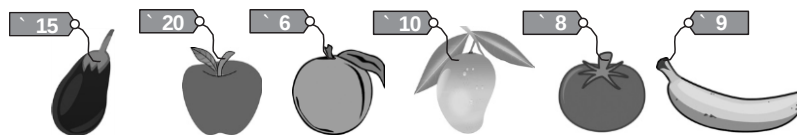
Q 2. If tomorrow will be Sunday, then yesterday was _____.

- a. Monday
- b. Friday
- c. Saturday
- d. Tuesday

Q 3. Three glasses of water can fill a water-bottle. How many glasses of water are required to fill 4 such water-bottles?

- a. 3
- b. 12
- c. 10
- d. 8

Q 4. Sonia buys 4 apples, 2 mangoes and 5 tomatoes from the market.



How much money will she have to pay?

- a. Rs 142
- b. Rs 140
- c. Rs 128
- d. Rs 130

Q 6. Komal makes a paper boat in 20 minutes. How long will she take to make 6 such paper boats?

- a. 2 hours
- b. 6 hours 20 mins
- c. 1 hours 30 mins
- d. 40 mins

Q 7. Which of the following shows the greatest number?

a. $86 - 73$

c. $35 - 21$

b. $98 - 87$

d. $54 - 42$

Q8. Parth is standing between _____ and _____.

- a. Kiara and Krish
- b. Ajay and Kiara
- c. Krish and Ajay
- d. Kiara and Riya



Q9. Select the CORRECT option.

- a. Nishit has the most money.
- b. Nitish has more money than Nishit.
- c. Nishi has more money than Nishit.
- d. Nitish has the least money.



Q10. Rohit's school was closed for 5 days. Every day he did 2 fun activities based on Mathematics. How many total activities did he do during the holidays?

- a. 15
- b. 12
- c. 8
- d. 10

Q11. Fill in the blanks and select the CORRECT option.



- | (p) | (q) | (r) |
|----------------|----------------|----------------|
| a. Half past 7 | 15 mins past 4 | 10 mins past 7 |
| b. Half past 7 | 10 mins past 4 | 10 mins past 6 |
| c. Half past 7 | 10 mins past 4 | 10 mins to 6 |
| d. Half past 8 | 10 mins to 4 | 10 mins to 6 |

Q12. A tank contained 72 litres of water. Sneha drained 47 litres of water through a tap from the tank. How much water is left in the tank?

- a. 30 litres
- b. 25 litres
- c. 40 litres
- d. 50 litres

Q13. Varun saw the given painting in a shop. How many triangles did Varun see?

- a. 6
- b. 7
- c. 8
- d. 10



Q14. Ronit wants to buy the given items. How much money would he need in total?

- a. ₹630
- b. ₹545
- c. ₹680
- d. ₹650

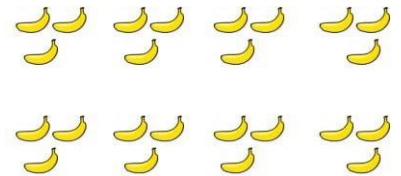


Q15. Rubi planted some plants in a garden. The number of plants planted by her is more than 500 and has 8 at ones place. Which of the following can be a number of plants planted by her?

- a. 368
- b. 568
- c. 861
- d. 268

Q16. Most suitable addition sentence for the given figure is _____.

- a. $8+8+8$
- b. $3+3+3+3+3+3+3+3$
- c. $6+6+6+6$
- d. $4+4+4+4+4+4$



Q17. Sum of 25 tens and 13 more than 146 is _____.

- a. 409
- b. 990
- c. 490
- d. 492

Q18. Consider the given digits and fill in the blanks.



Difference of the smallest 3-digit number and largest 3-digit number formed by using the given digit is _____.

- a. 594
- b. 495
- c. 398
- d. 983

Q19. Kritika is 11 years old and her brother Sahil is 15 years old. How much older is Sahil than Kritika?

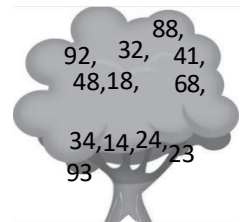
- a. 5years
- b. 6 years
- c. 4 years
- d. 7 years

Q20. Which of the following looks like a cone?

- a.  b.  c.  d. 

Q21. How many numbers are there in the tree which has sum of their digits as 5?

- a. 3 c. 4
b. 5 d. 6



Q22. 5 groups of _____ leaves each can be formed from the given leaves.



- a. 6 b. 4 c. 5 d. 7

Q23. Dice is an example of _____ shape.



- a. Square c. Cube
b. Circle d. Rectangle

Q24. Which of the following is less than $\text{13 tens} + \text{2 ones}$?

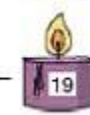
- a. 142 c. 138
b. 132 d. 123

Q25. If items O and P are removed from the given arrangement then fourth item from the left end is _____.



- a. O b. Q c. N d. R

Q26. Select the INCORRECT match.

- a.  — 
- b.  — 
- c.  — 
- d.  — 

Q27. Ram bought a teddy of Rs. 30 and a pencil box of Rs. 25. How much did he pay?

- a. Rs.40
b. Rs.35
c. Rs.50
d. Rs.55

Q28. The given pictograph shows the number of cupcakes sold in 4 different shops respectively. Study it carefully and answer the below question.

1  Cupcake = 10

Shop	Number of cupcakes
A	
B	
C	
D	

Number of brownies sold by shop A is _____.

- a. 20
b. 50
c. 30
d. 40
- Q29. If Rashi goes for picnic on every Saturday and Sunday in the month of September 2022, then how many days will she go for picnic in that month?
- a.15
b.10
c. 9
d. 8

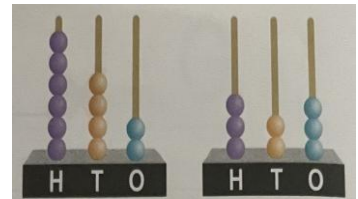
Q30. A sales woman wants to pack 60 baby corns in the boxes as shown. How many such boxes are required to pack all the baby corns?

- a. 9 b. 10 c. 21 d. 12



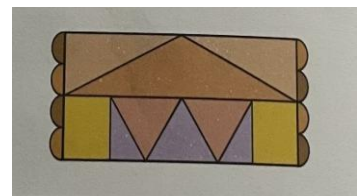
Q31. The sum of the numbers shown by two abacuses is _____.

- a. 868 c. 935
b. 965 d. 758

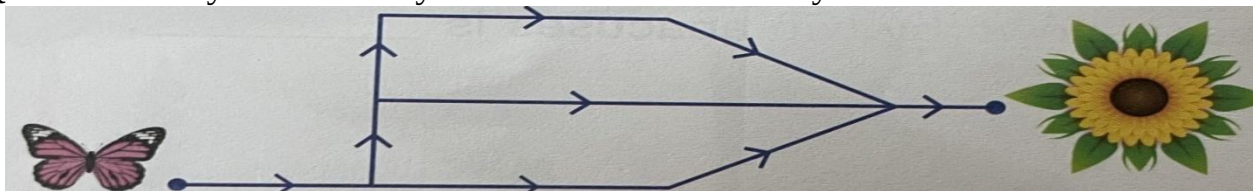


Q32. Which of the following shapes is missing in the given figure?

- a. Square c. Rectangle
b. Circle d. Triangle



Q33. How many different ways are there for the butterfly to reach the flower?



- a. 4 b. 5 c. 6 d. 3

Q34. Mohan has 40 sweets. He gives 10 sweets to Vinay and eats 15 sweets. How many sweets are left with him?

- a. 15 b. 25 c. 20 d. 10

Q35. 5 hundreds, 1 ones and 5 tens will make _____.

- a. 515 b. 151 c. 551 d. 155

Q36. If $\square = 1$ unit, then Shruti is _____ units shorter than Sneha.

- a. 2 b. 3 c. 5 d. 6

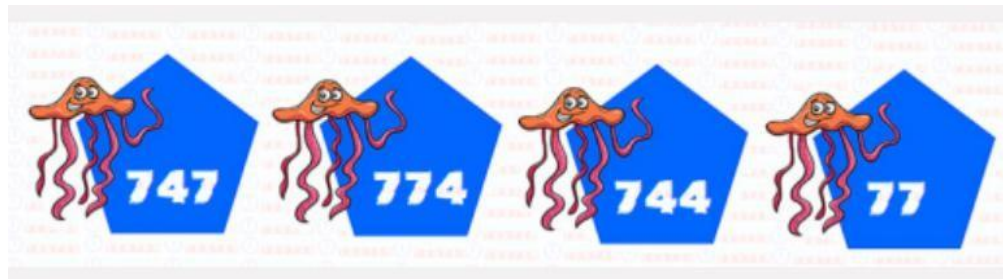


Q37. There are 4 baskets on the table. In each basket there are 3 red eggs, 4 yellow eggs and 2 blue eggs. How many eggs are there altogether in 4 baskets?

- a. 24
- b. 28
- c. 32
- d. 36



Q38. Arrange the following numbers from the greatest to smallest.



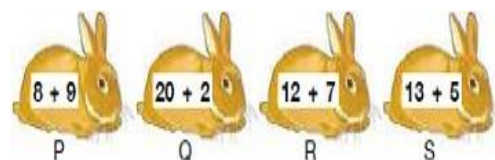
- a. 774,747,744,77
- b. 774,747,77,744
- c. 77,744,747,774
- d. 744,77,747,774

Q39. There are 3 stars on a flag. There are 7 such flags. How many stars are there altogether?



- a. 20
- b. 21
- c. 28
- d. 27

Q40. Arrange the rabbits from the greatest to the smallest.



- a. P, S, R, Q
- b. Q, S, R, P
- c. S, R, Q, P
- d. Q, R, S, P

Q41 Find the missing number, if a certain rule is followed column-wise.

18	9	15
6	3	?
24	12	20

- a. 5 b. 6 c. 4 d. 8

Q42. 3 groups of 4 is equal to _____ groups of 6.

- a. 2 b. 6 c. 4 d. 3

Q43. Ritik bought the given items. Total amount of money paid by him is _____.

- a. ₹220 b. ₹310 c. ₹250 d. ₹295

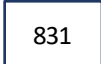
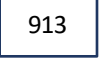
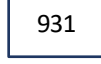
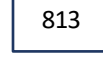


Q44. Neha lost her cat. Use the given clues to find Neha's cat.

Clue1: The digit at hundreds place is largest 1-digit number.

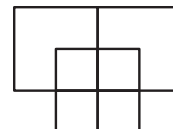
Clue2: The place value of 1 in the number is 1.

Clue3: The place value of 3 in the number is 30.

- a.   b.   c.   d.  

Q45. How many squares and standing lines respectively are there in the given figure?

- a. 8,11 c. 8,9
b. 7,5 d. 5,9

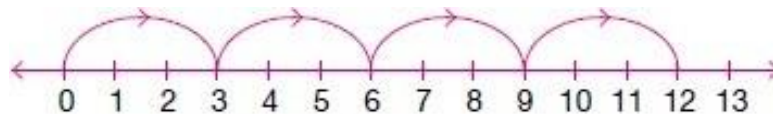


Q46. There are _____ different ways for Mr. Sharma to communicate with Ms. Sharma.

- a. 3
- b. 4
- c. 5
- d. 8



Q47. The given number line shows ____.



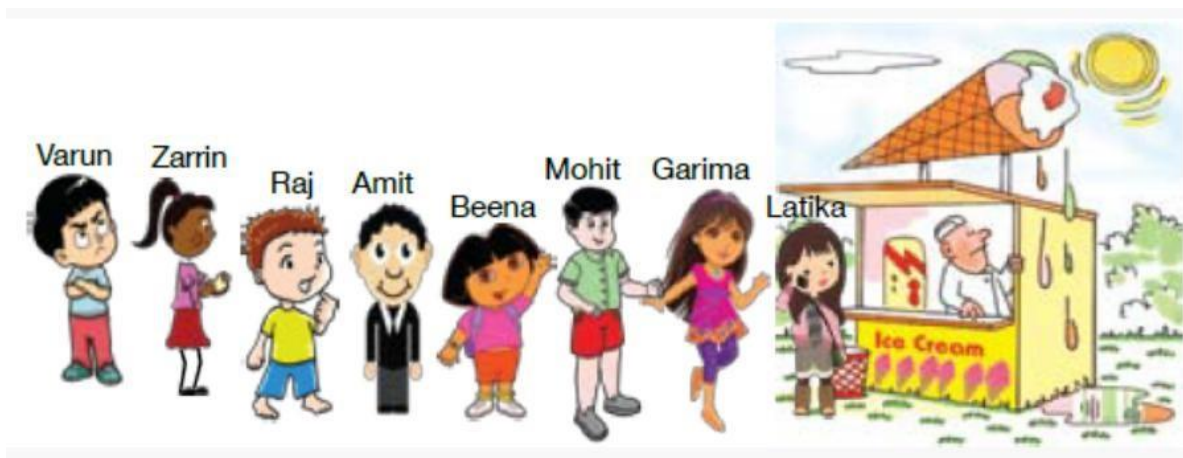
- a. Counting by 2's
- b. Counting by 5's
- c. Counting by 3's
- d. Counting by 4's

Q48. Find the value of $X + Y$.

- a. 13
- b. 9
- c. 11
- d. 12

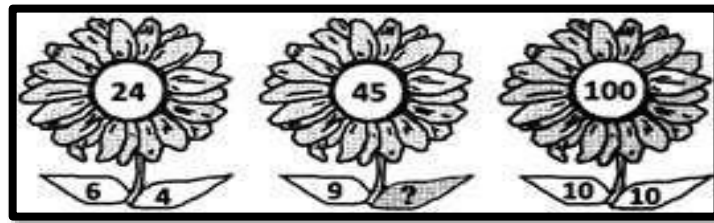
$$\begin{array}{r} 34 \\ + 6X \\ \hline Y7 \end{array}$$

Q49. Which person is in the sixth position from the ice-cream shop?
(Count from the right side)



- a. Mohit
- b. Garima
- c. Raj
- d. Varun

Q50. Find the missing number.



a. 7

b. 9

c. 5

d. 6

ANSWER KEY:

Q. No	Answer	Q. No	Answer
1	A	26	D
2	B	27	D
3	B	28	B
4	B	29	D
5	B	30	B
6	A	31	B
7	C	32	B
8	D	33	D
9	A	34	A
10	D	35	C
11	C	36	B
12	B	37	D
13	B	38	A
14	C	39	B
15	B	40	D
16	B	41	A
17	A	42	A
18	A	43	C
19	C	44	C
20	A	45	B
21	C	46	B
22	C	47	C
23	C	48	D
24	D	49	C
25	B	50	C



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Tick the correct answer.

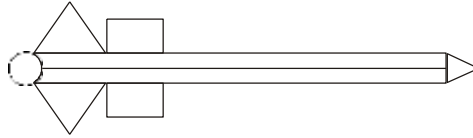
Q1. Which of the following statements is correct for 234?

- a. Number 234 has 3 hundreds, 2 tens, 4 ones
- b. In number 234 place value of 2 is 20
- c. Number 234 has 2 tens, 3 ones
- d. Number 234 has 2 hundreds, 3 tens, 4 ones.

Q2. Mrs. Tanuja bakes 20 cup cakes. If she packs 4 cup cakes in one box, how many boxes does she need to pack all the cakes?

- a. 7 boxes
- b. 5 boxes
- c. 6 boxes
- d. 3 boxes

Q3. Number of triangles in the given figure



- a. 3 b. 4 c. 5 d. 0

Q4. There are 15 beetles. Ring the beetles into group of 3. How many groups will be formed?

- (A) 5 (B) 6 (C) 4 (D) 3

Q5. Look at the image and answer the following question.



How many pencils are there in 5 groups of 3 pencils each?

- a. 9 c. 15
b. 12 d. 13

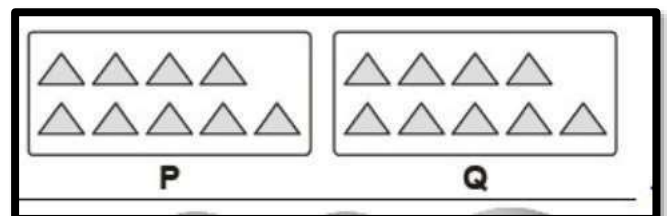
Q6. The cost of one toy truck is. ₹50. Mohit wants to buy 2 toy trucks, then how much amount he needs?

- a. ₹100 c. ₹150
b. ₹200 d. ₹130



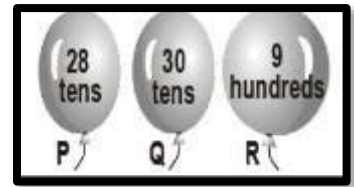
Q7. The subtraction sentence that shows P- Q is___

- a. $9 - 9 = 0$
b. $9 - 8 = 1$
c. $8 - 8 = 0$
d. $8 - 0 = 8$

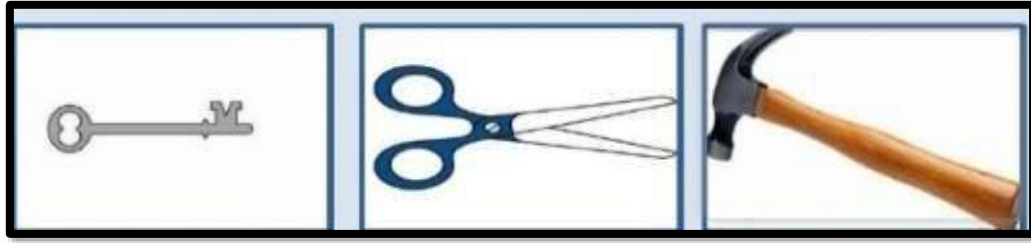


Q8. Which balloon has the largest value?

- a. P
- b. R
- c. Q
- d. All of these



Q9. Which is the longest object?



- a. Key
- b. Hammer
- c. Scissors
- d. None of these

Q10. Which has the largest capacity?



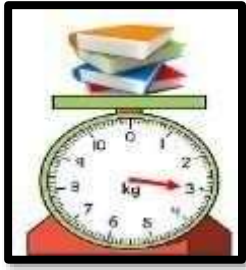
- a.
- b.
- c.
- d. All are equal.

Q11. There are 42 candies in a jar. These candies will be shared equally among 7 friends. How many candies each friend will get?

- a. 6
- b. 7
- c. 5
- d. 4



DIRECTION (12 – 13) : On the basis of the given figures, answer the following questions.



Q12. Which is the lightest object among these?

- a. Rice bag
- b. Mangoes
- c. Books
- d. All the above

Q13. What is the total weight of books and rice bag?

- a. 12 kg
- b. 10 kg
- c. 13 kg
- d. 15 kg

Q14. I am more than $20 + 20$ but less than $40 + 7$. Who am I?

- a. 49
- b. 35
- c. 24
- d. 43

Q15. In a park, Tannu saw owners bring their dogs in the park. Some owners drive to the park. She counted there are 47 cars. How many wheels are there?

- a. 178
- b. 138
- c. 128
- d. 188



Q16. 2 hr 10 mins after 6 a.m. is _____

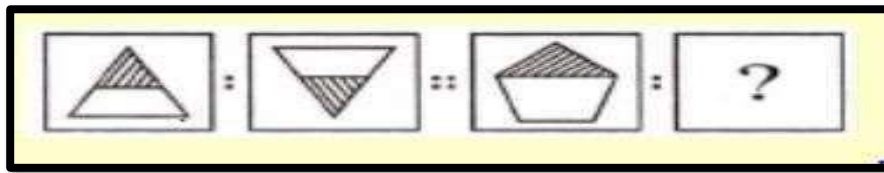
- a. 7:10 a.m.
- b. 7:20 a.m.
- c. 8:10 a.m.
- d. 9:10 a.m.

Q17. If today is Wednesday, then what day will be day after tomorrow?

- a. Tuesday
- b. Friday
- c. Thursday
- d. Monday

DIRECTION (18 – 19): There is a certain relationship between the pair of figures on the either side of: Identify the relation and find the missing figure.

Q18.



a.



c.



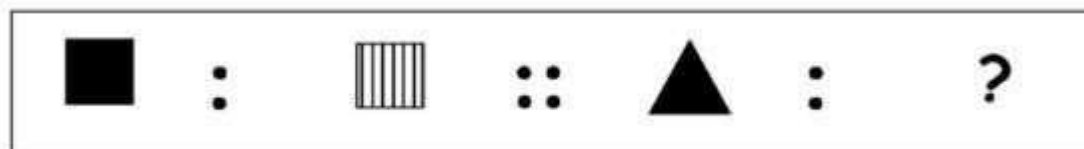
b.



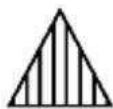
d.



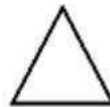
Q19.



a.



c.



b.



d.



Q20. Peter is taller than Siel by 38 cm. If Siel is 118 cm tall, then what is Peter's height?

a. 172 cm

c. 156 cm

b. 132 cm

d. 148 cm

Q21. Gautam wants to buy 3 headphones for his friends. If the cost of each headphone is ₹250 then how much money he needs to buy them?

a. ₹700

c. ₹650

b. ₹750

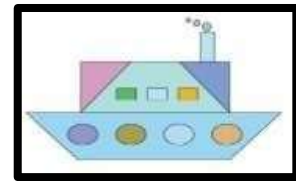
d. ₹800

Q22. Find the number that is 150 more than 400__.

- a. 300
- b. 600
- c. 550
- d. 700

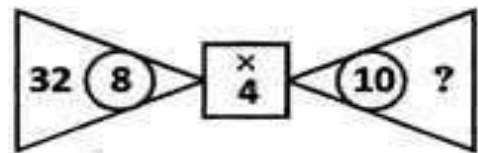
Q23. How many rectangles are there in this figure?

- a. 5
- b. 7
- c. 2
- d. 0



Q24. Find the missing number in the following figure.

- a. 40
- b. 14
- c. 80
- d. 4



Q25. Which of the following is greater than 30 tens?

- a. 180
- b. 270
- c. 250
- d. 350

Q26. Which of the following holds the least value?

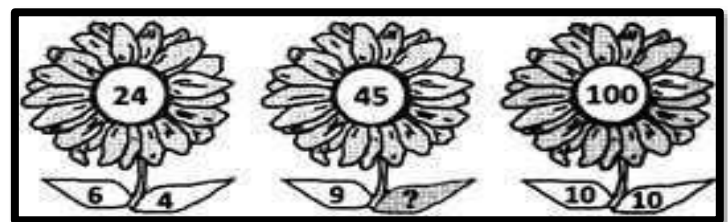
- a. 1 hundred
- b. 20 tens
- c. 5 tens
- d. 40 ones

Q27. 673,773,873, ____? What comes next in the given number series?

- a. 973
- b. 700
- c. 900
- d. 880

Q28. Find the missing number.

- a. 7
- b. 5
- c. 9
- d. 6



Q29. Which dog is in the middle position?



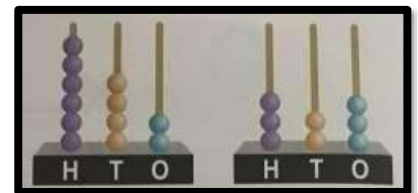
- a. B b. D c. F d. E

Q30. George is curious about which of the choices below is the odd one out assist him?

- a. Height of building = 12 m c. Height of chair = 2 m
b. Weight of stone = 2 kg d. Length of rod = 25 cm

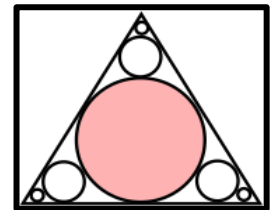
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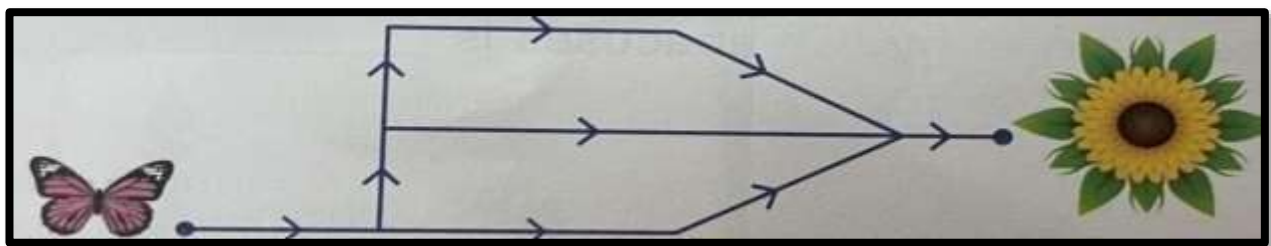


Q32. How many circles are there in the picture?

- a. 5 c. 8
b. 7 d. 9



Q33. How many different ways are there for the butterfly to reach the flower?



- a. 1 c. 2
b. 6 d. 3

Q34. Find the missing number in the number patterns.

1,2,4,8,16,_____

- a. 31 b. 32 c. 34 d. 36

Q35. What is the number name for 134 more than 625?

- a. Seven hundred and ninety
- b. Seventy – nine
- c. Seven hundred and ninety – five
- d. Seven hundred and fifty – nine

Q36. Amit is taller than David and Hari, David is shorter than Mohit but taller than Hari and Mohit is taller than Amit. Who is the shortest among them?

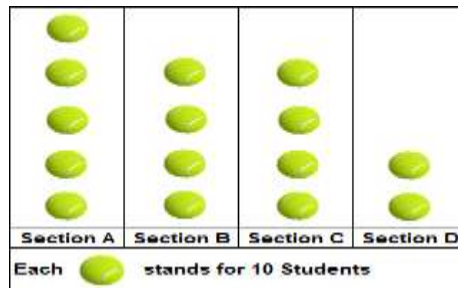
- a. Amit
- b. David
- c. Mohit
- d. Hari

Q37. Oliver went shopping on the second Sunday of the month. After checking for the products, she found 2 of them faulty and returned them on the immediate Tuesday as the shop remains closed every second Monday of the month. On which date did she return the products?

- a. January 14
- b. January 22
- c. January 15
- d. January 28

January 2019						
Su	Mo	Tu	We	Th	Fr	Sa
		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		

DIRECTION (38 – 40): The given picture shows the number of students in sections A, B, C and D of class 2.



Q38. How many students should be transferred from section C to D so that there are equal number of students in both sections?

- a. 1
- b. 10
- c. 2
- d. 20

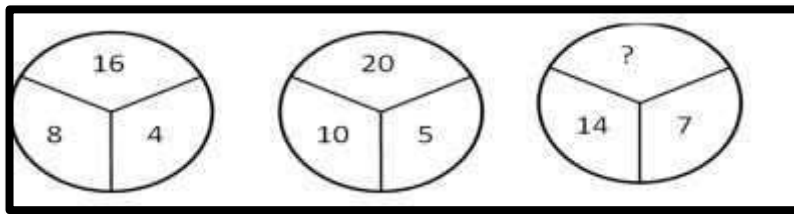
Q39. Which section was having maximum number of students?

- a. Section A
- b. Section C
- c. Section B
- d. Section D

Q40. How many students are more in Section A compared to Section D?

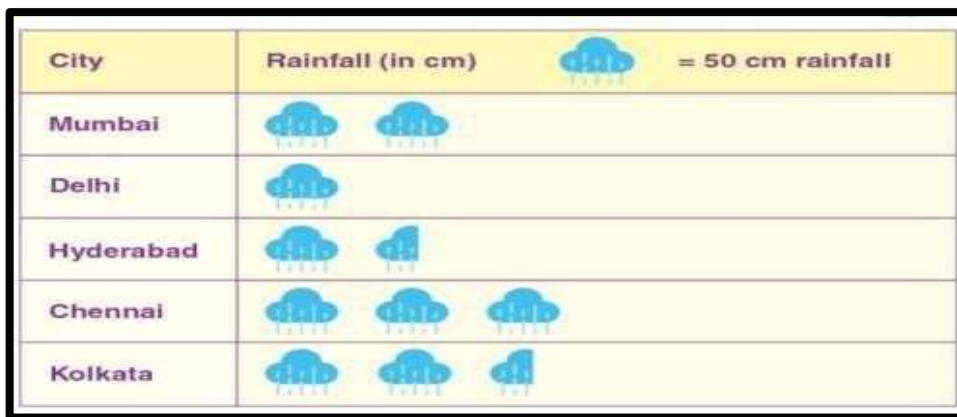
- a. 25
- b. 35
- c. 30
- d. 20

Q41. Identify the missing number.



- a. 56
- b. 28
- c. 33
- d. 49

DIRECTION (42– 44) The given pictograph shows the amount of rainfall in different cities. Study the graph and answer the questions given below.



Q42. Which city had rainfall of about 100 cm?

- a. Kolkata
- b. Delhi
- c. Mumbai
- d. Chennai

Q43. What is the amount of rainfall in Kolkata?

- a. 125 cm
- b. 100 cm
- c. 145 cm
- d. 150 cm

Q44. Which city had the minimum rainfall?

- a. Kolkata
- b. Delhi
- c. Mumbai
- d. Chennai

Q45. The organization is holding a painting activity in which six groups of students have participated. Each group is made up of four students. How many students took part in the painting activity?

- a. 20
- b. 24
- c. 22
- d. 28

Q46. How much ₹5 coins you need to make ₹40?

- a. 5
- b. 4

- c. 8
- d. 6



Q47. If the position of R and U is interchanged, then who will be second from the left?



- a. P
- b. R

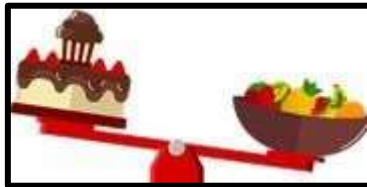
- c. Q
- d. W

Q48. If Banana is called as Orange, Orange is called as Mango, Mango is called as Pineapple, then which fruit is in sphere shape?

- a. Banana
- b. Mango

- c. Apple
- d. Watermelon

Q49. Which of these statements is correct regarding the picture given?



- a. Cake is heavier than fruits
- b. Cake and fruits are equal in weight

- c. Fruits are heavier than cake
- d. Fruits are lighter than cake

Q50. How many months will be there for 3 years?

- a. 12
- b. 36

- c. 24
- d. 48

ANSWER KEY:

Q.NO	ANSWER	Q.NO	ANSWER
1	D	26	D
2	B	27	A
3	A	28	B
4	A	29	B
5	C	30	A
6	A	31	B
7	A	32	B
8	B	33	D
9	B	34	B
10	B	35	D
11	A	36	D
12	C	37	C
13	C	38	B
14	D	39	A
15	D	40	C
16	C	41	B
17	B	42	C
18	A	43	A
19	A	44	B
20	C	45	B
21	B	46	C
22	C	47	C
23	A	48	B
24	A	49	C
25	D	50	B