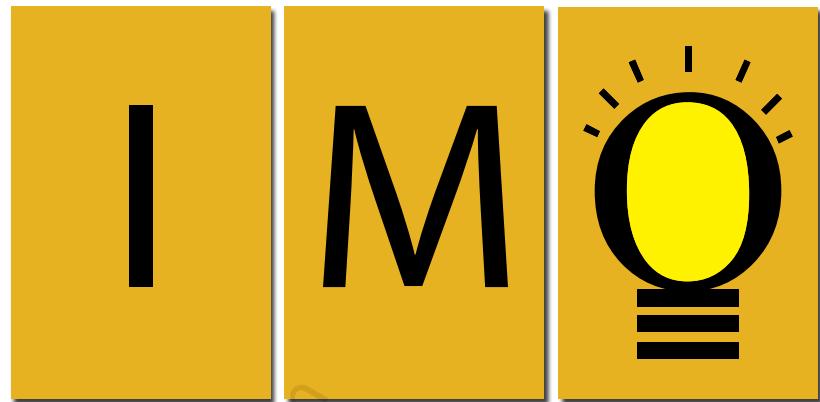


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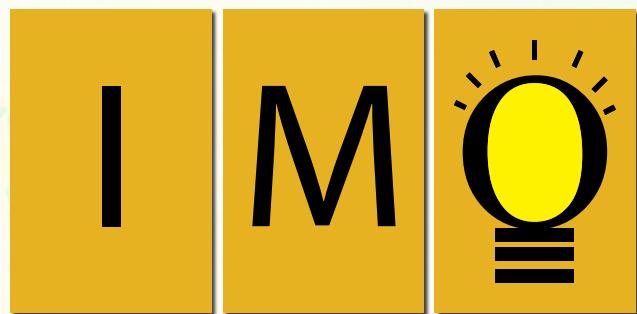


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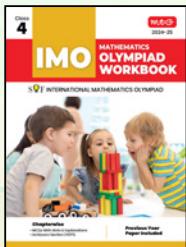
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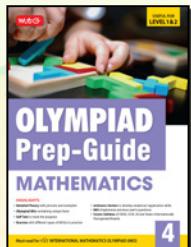
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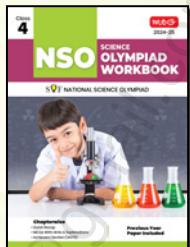
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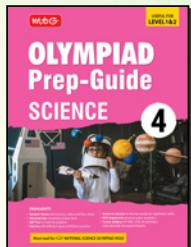
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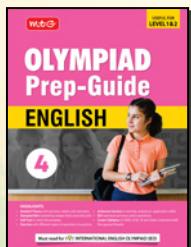
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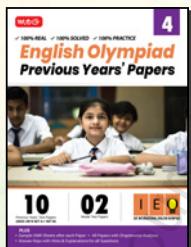
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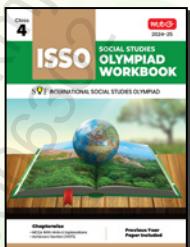
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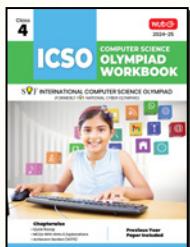
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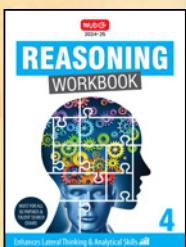
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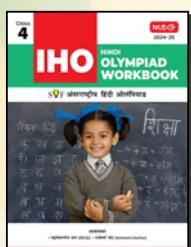
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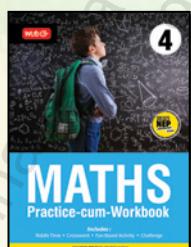
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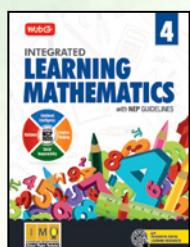
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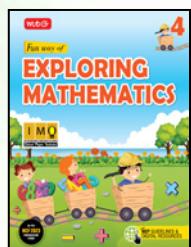
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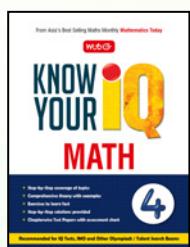
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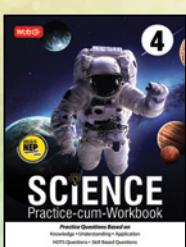
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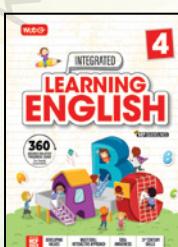
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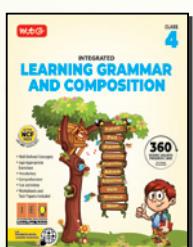
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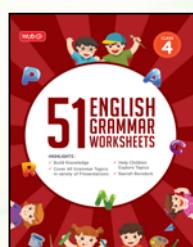
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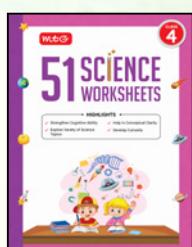
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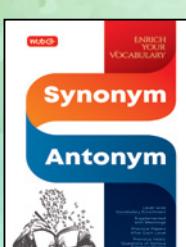
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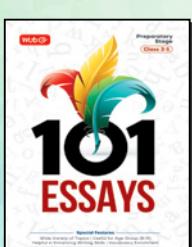
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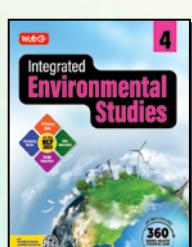
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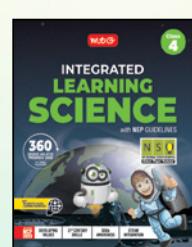
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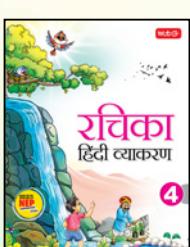
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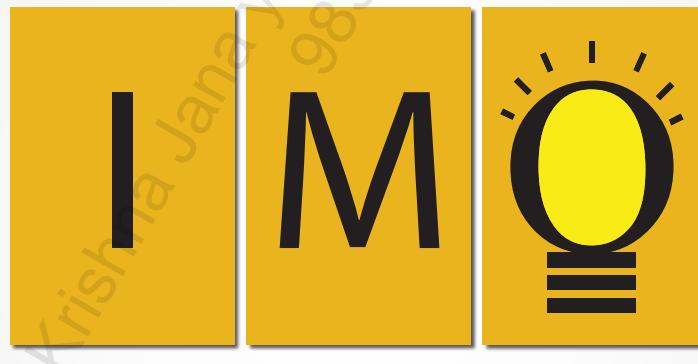


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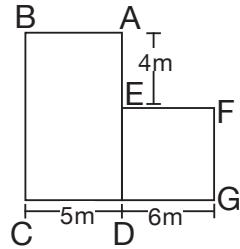
LEVEL - 2

Year 2017-18

MATHEMATICS

1. In the given figure, ABCD is a rectangle and DEFG is a square. Find the perimeter of the figure.

- A. 38 m
- B. 42 m
- C. 46 m
- D. 52 m



2. How many letters in the given word have at least one line of symmetry?

WATERING

- A. 4
- B. 6
- C. 5
- D. 3

3. Study the following numbers.

MCCLIII , MDXCIV , MCDXC
MDCXIV , MCCCLVII , MCDV

Find the sum of the digits at hundreds place of the smallest and the greatest number.

- A. 8
- B. 9
- C. 6
- D. 11

4. The given table shows the number of books read by students of a school.

Number of books read	0	1	2	3	4	5
Number of students	245	870	965	1120	844	762

How many students read more than two books?

- A. 3691
- B. 2571
- C. 2966
- D. 2726

5. Aakash had 34 kg 975 g of sugar. After packing it equally into 6 packets of equal weight, he was left with 8 kg 725 g of sugar. How much sugar was there in each packet?

- A. 4 kg 375 g
- B. 3 kg 475 g
- C. 3 kg 725 g
- D. 4 kg 725 g

6. Find the values of P, Q, R and S respectively.

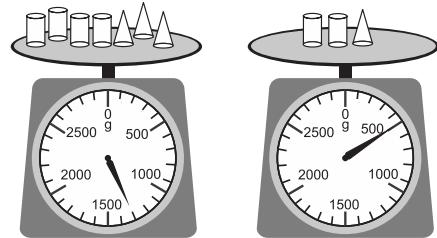
Number	Rounded off to nearest 100	Rounded off to nearest 1000
92684	P	R
43595	43600	Q
S	14600	15000

- A. 92000, 44000, 92000, 14595
- B. 92700, 43000, 93000, 14595
- C. 92000, 43000, 92000, 14680
- D. 92700, 44000, 93000, 14620

SPACE FOR ROUGH WORK

7. Study the given figures carefully and find the weight of □.

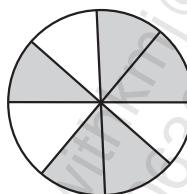
- A. 400 g
- B. 200 g
- C. 100 g
- D. 300 g



8. Study the following statements and select the INCORRECT option.

- A. Symbols V, L and D can never be subtracted while writing roman numerals.
- B. The successor of the greatest 4-digit number is the smallest 5-digit number.
- C. Difference between the successor and the predecessor of a number is always 1.
- D. The difference between the smallest and the largest 5-digit number formed by 3, 4, 6, 0 and 2 (without any repetition of a digit) is 43974.

9. Which of the following options has the same shaded fraction as the unshaded fraction of given figure?



- A. 
- B. 
- C. 
- D. 

10. Fill in the blanks.

- 4 groups of 9 is P less than 2 groups of 19.
- 3 groups of 5 is Q more than 6 groups of 2.
- 7 groups of 6 is R less than 9 groups of 6.
- 8 groups of 8 is S more than 4 groups of 15.

P	Q	R	S
A. 3	3	10	4
B. 2	4	12	6
C. 2	3	12	4
D. 3	4	10	6

SPACE FOR ROUGH WORK

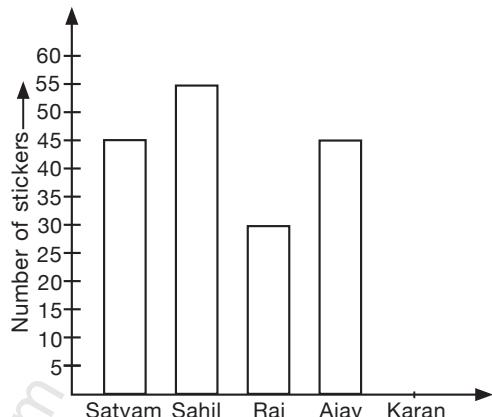
Direction (11-12) : Study the given graph showing the number of stickers collected by five friends and answer the following questions.

11. How many stickers Sahil must give to Ajay so that they both have equal number of stickers?

A. 10 B. 5
C. 8 D. 3

12. If the total stickers collected were 225, then find the number of stickers collected by Karan.

A. 50 B. 45
C. 55 D. 40



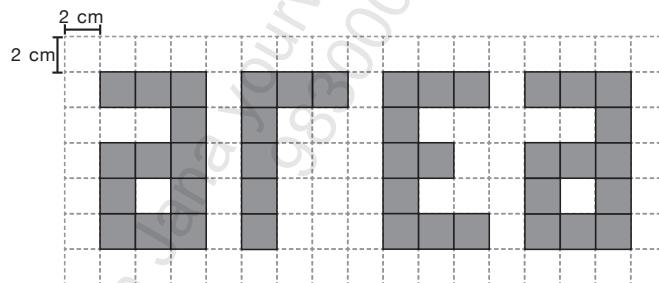
13. If the smallest 5-digit number formed by digits 8, 6, 0 and 4 (each digit must be used at least once) is divided by 12, then the quotient will be _____.

A. 3390 B. 3309 C. 3339 D. 3039

14. A train which was scheduled to arrive at Nizamuddin station got 1 hour 25 mins late. It leaves the station after 15 minutes and reaches Jaipur station at 9 : 45 p.m. after 8 hours 35 mins of journey. Find its scheduled time to arrive at Nizamuddin station.

A. 10 : 30 a.m. B. 11 : 30 a.m. C. 11 : 20 a.m. D. 11 : 50 a.m.

15. Find the perimeter of the shaded region.



A. 150 cm B. 152 cm C. 154 cm D. None of these

16. The given table shows the petrol used by Vivek in a week. Find the total quantity of petrol used by Vivek on Monday, Wednesday, Friday and Saturday.

A. 17 L 540 mL
B. 16 L 540 mL
C. 16 L 225 mL
D. 18 L 85 mL

Monday	3 L 560 mL
Tuesday	4 L 325 mL
Wednesday	3 L 780 mL
Thursday	4 L 105 mL
Friday	5 L 325 mL
Saturday	4 L 875 mL

SPACE FOR ROUGH WORK

17. Find the number using the given clues.

- The number is the predecessor of a two digit even number.
- The number is a multiple of 3.
- Sum of digits of the number is an even number.

A. 87

B. 99

C. 93

D. 66

Direction (18-19): Study the given table showing the number of marbles of different colours

Trishi has and answer the following questions.

Colour	Red	Yellow	Orange	Pink
Number of marbles	26	34	52	47

18. What fraction of total marbles are of red colour?

A. $\frac{52}{159}$

B. $\frac{26}{159}$

C. $\frac{47}{160}$

D. $\frac{37}{160}$

19. What fraction of total marbles are not of orange colour?

A. $\frac{107}{159}$

B. $\frac{52}{159}$

C. $\frac{107}{160}$

D. $\frac{133}{160}$

20. How many of the following figures have no line of symmetry?



A. 2

B. 3

C. 4

D. 5

21. If + + = ₹ 1986; + = ₹ 2385 and + = ₹ 684,

then find the cost of .

A. ₹ 1563

B. ₹ 1060

C. ₹ 1480

D. ₹ 1673

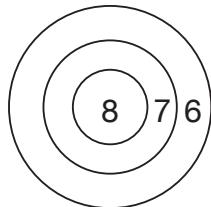
22. Kunal is playing game of darts. The dart board is divided into 3 sections having different points as shown in the figure. The score of Kunal is the sum of the points he acquired after throwing 3 darts on the board. Which of the following cannot be the score of Kunal?

A. 22

B. 23

C. 20

D. 26



SPACE FOR ROUGH WORK

23. How many hundreds must be subtracted from 27683 to get 2783?

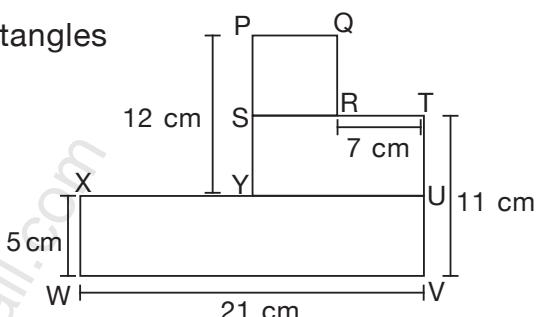
- A. 249 B. 2400 C. 20000 D. 2000
-

24. Multiply 8th multiple of 14 with 12th multiple of 19 and round off the answer to the nearest thousand. The final result is _____.

- A. 26000 B. 25000 C. 25600 D. 25500
-

25. Given figure is made up of a square PQRS and two rectangles STUY & XUVW. Find the length of XY.

- A. 12 cm
B. 8 cm
C. 13 cm
D. 6 cm



26. Which of the following numbers are arranged in ascending order?

- A. $\frac{7}{12}, \frac{8}{12}, \frac{10}{12}, \frac{9}{12}, \frac{11}{12}$ B. $\frac{3}{7}, \frac{4}{7}, \frac{5}{7}, \frac{8}{7}, \frac{10}{7}$
C. $\frac{11}{14}, \frac{10}{14}, \frac{8}{14}, \frac{6}{14}, \frac{3}{14}$ D. $\frac{15}{19}, \frac{13}{19}, \frac{10}{19}, \frac{7}{19}, \frac{9}{19}$
-

27. A library has 312 racks of books. If each rack has 263 books, then how many total books are there?

- A. 92006 B. 91846 C. 81042 D. 82056
-

28. Find the missing number.

$$3 \times 8 \times 14 \times 12 \times ? = 126 \times 288$$

- A. 6 B. 9 C. 12 D. 8
-

29. A barrel contains 20 L 175 mL of oil. The barrel is emptied into 25 cans equally. Each can will hold _____ of oil.

- A. 812 mL B. 917 mL C. 807 mL D. 87 mL
-

30. Sonali had 78 boxes with 287 bangles in each box. If 1453 bangles were broken, then how many unbroken bangles were there?

- A. 21843 B. 20763 C. 22913 D. 20933
-

SPACE FOR ROUGH WORK

ACHIEVERS SECTION

31. Shivam's flight to Canada departs at 11 : 15 p.m. He has to check in at the airport terminal 1 hour 45 minutes earlier. The journey to the terminal takes 50 minutes. He needs 30 minutes to get dressed and 15 minutes to have his dinner. At what time should he start preparing for his trip?

A. 6 : 55 p.m. B. 8 : 05 p.m.
C. 7 : 55 p.m. D. 8 : 25 p.m.

32. Find the value of $S \times R - P + Q$.

- A. 41
 - B. 30
 - C. 32
 - D. 38

$$\begin{array}{r}
 & 3 \boxed{P} 5 7 \\
 27) & 8 7 9 4 6 \\
 - & 8 1 \downarrow \\
 \hline
 & 6 9 \\
 - & 5 4 \downarrow \\
 \hline
 & 1 \boxed{S} 4 \\
 - & 1 3 5 \downarrow \\
 \hline
 & 1 9 6 \\
 - & 1 \boxed{Q} 9 \\
 \hline
 & \boxed{R}
 \end{array}$$

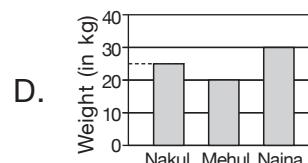
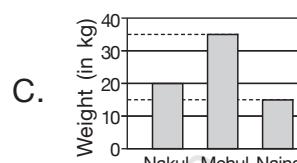
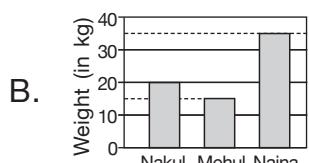
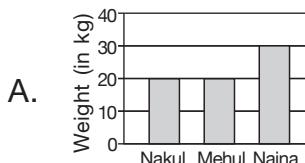
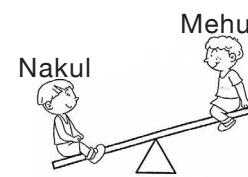
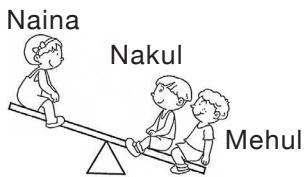
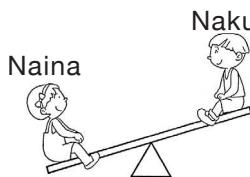
33. Fill in the blanks.

- There were 40 children at a party. 14 of them were boys. P fraction of children were girls.
 - Cost of a teddy bear is $\frac{2}{3}$ of the cost of a doll. If cost of the teddy bear is ₹114, then cost of the doll is ₹Q.
 - Difference between $3\frac{1}{4}$ and $2\frac{3}{8}$ is R.
 - If $x + \frac{5}{12} = \frac{7}{6}$, then $x = \underline{\text{S}}$.

	P	Q	R	S
A.	7/20	76	5/8	1/4
B.	13/20	76	7/8	1/4
C.	7/20	171	5/8	3/4
D.	13/20	171	7/8	3/4

SPACE FOR ROUGH WORK

34. Nakul, Mehul and Naina were sitting on the see-saw at the playground. Which of the following bar graphs correctly shows the weight of the three children?



35. Match the numbers obtained after the additions of roman numerals given in Column I with their hundreds digit given in Column II.

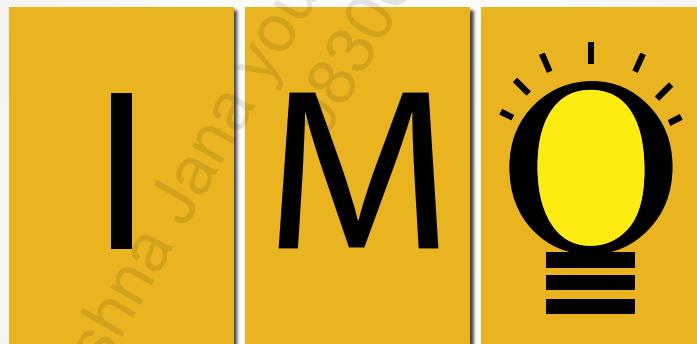
Column I

- P. MMDCCX + MCDXVII
- Q. MCCCXV + MDCIX
- R. MDXCIX + MDCVIII
- S. MCDVII + MDCIX
- A. P → (iii), Q → (i), R → (iv), S → (ii)
- C. P → (iii), Q → (iv), R → (i), S → (ii)

Column II

- (i) 9
- (ii) 0
- (iii) 1
- (iv) 2
- B. P → (ii), Q → (i), R → (iv), S → (iii)
- D. P → (ii), Q → (iv), R → (i), S → (iii)

SPACE FOR ROUGH WORK



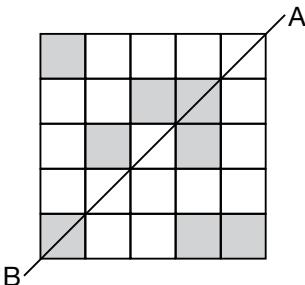
LEVEL - 2

Year 2018-19

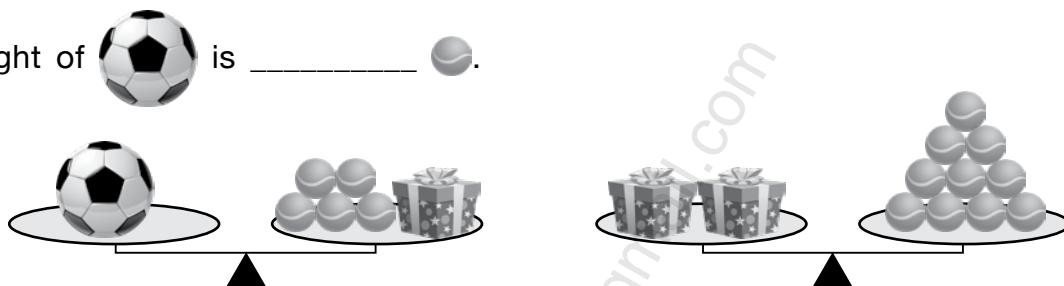
MATHEMATICS

1. What is the least number of squares that must be shaded so that AB becomes the line of symmetry?

- A. 0
- B. 2
- C. 3
- D. 4



2. The weight of is _____ .



- A. 10
- B. 5
- C. 20
- D. 15

3. The value of CMXCIX – DCLX equals _____.

- A. CCXXIX
- B. CCCXXXIX
- C. DCXX
- D. DCLXIX

4. Niharika has a collection of toys. Out of which 4 are teddy bears, 5 are balls and 3 are dolls. What fraction of the toys are not balls?

- A. $\frac{7}{12}$
- B. $\frac{3}{12}$
- C. $\frac{5}{12}$
- D. $\frac{4}{12}$

5. Which of the following options has the same product as (212×5) ?

- A. $200 \times (12 + 5)$
- B. $(200 + 12) \times 5$
- C. $210 + (2 \times 5)$
- D. $200 \times 12 \times 5$

6. Shruti has 120 toffees. Pankaj had two times as many toffees as Shruti had. Priya had 50 toffees less than Pankaj. How many toffees did they all have altogether?

- A. 430
- B. 550
- C. 290
- D. 310

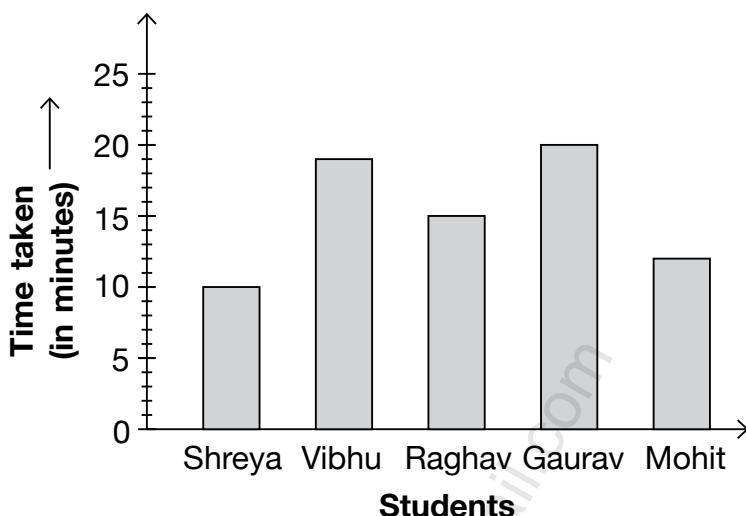
7. The given table shows the cost of clothes Mr Verma bought from a shop. If he paid ₹ 500, then how much money will he get back ?

- A. ₹ 280
- B. ₹ 180
- C. ₹ 80
- D. ₹ 270

Shirt	₹ 120
Pant	₹ 150
Tie	₹ 50

SPACE FOR ROUGH WORK

Direction (8-9) : The given bar graph shows the time taken by five students for their 2 km race for a Fitness Test. Study the graph carefully and answer the following questions.

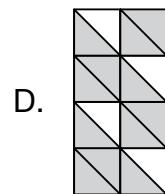
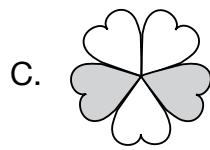
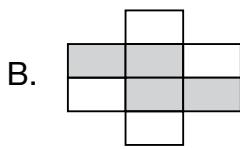
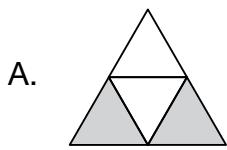


8. Among the five students, who completes the race in least time?
- A. Gaurav B. Mohit C. Vibhu D. Shreya
-
9. The correct ascending order of students according to the time taken by them from least to the greatest is
- A. Shreya, Mohit, Raghav, Vibhu, Gaurav B. Mohit, Raghav, Vibhu, Shreya, Gaurav
 C. Shreya, Raghav, Vibhu, Gaurav, Mohit D. Gaurav, Vibhu, Raghav, Mohit, Shreya
-
10. In the number 28523, if the digit at tens place and thousands place interchange, then find the sum of place values of all the digits in the new number formed.
- A. 22583 B. 28523 C. 20 D. None of these
-
11. Find the value of $2P - Q + R - 5$.
- A. 15 B. 12 C. 0 D. 8

$$\begin{array}{r}
 & 2 \boxed{R} 5 \boxed{Q} \\
 12) & 2 \ 5 \ 8 \ 9 \ 7 (\\
 & \underline{-2 \ 4 \downarrow} \\
 & \quad 1 \ 8 \\
 & \underline{-1 \ 2 \downarrow} \\
 & \quad \boxed{P} 9 \\
 & \underline{-6 \ 0 \downarrow} \\
 & \quad 9 \ 7 \\
 & \underline{-9 \boxed{P}} \\
 & \quad \boxed{R}
 \end{array}$$

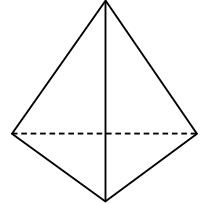
SPACE FOR ROUGH WORK

12. Which of the following figures has shaded fraction equal to $\frac{1}{2} + \frac{1}{4}$?



13. Which of the following options is true about the given figure?

- A. It has five faces.
- B. It has five vertices.
- C. It has three curved faces.
- D. None of these



14. If + + = 1500, $2 \times \text{triangle symbol} + 2 \times \text{circle symbol} = 1900$ and + $2 \times \text{triangle symbol} = 1190$, then find the value of $3 \times \text{circle symbol}$.

- A. 810
- B. 630
- C. 1890
- D. 950

15. The greatest four digit number that can be formed by using the digits 3, 5 and 0 (using each digit at least once) when multiplied by 15 gives _____.

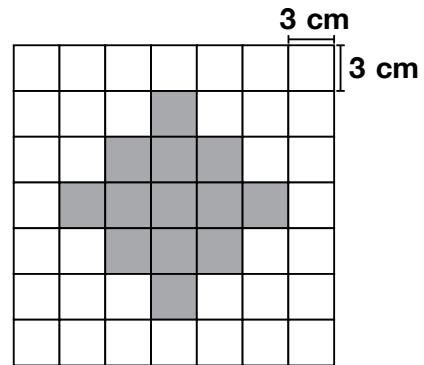
- A. 79500
- B. 82995
- C. 83295
- D. 82950

16. A group of 12 friends donates ₹ 45300 for a relief fund. If each friend donates equal amount of money, then how much money is donated by each of them?

- A. ₹ 3775
- B. ₹ 3560
- C. ₹ 2825
- D. ₹ 3105

17. Find the perimeter of the shaded part of the given figure.

- A. 50 cm
- B. 55 cm
- C. 57 cm
- D. 60 cm



SPACE FOR ROUGH WORK

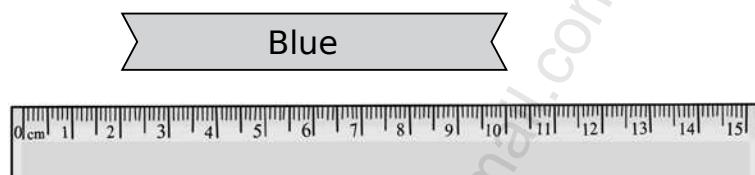
18. Identify the number using the given clues.



- It lies between 10 and 25.
- It is a multiple of 4 and 6.
- When the number is divided by 8, the remainder will be zero.

- A. 16 B. 24 C. 12 D. 40

19. Dhavi had two ribbons blue and green. If length of green ribbon is twice the length of blue ribbon, then find the total length of both the ribbons.



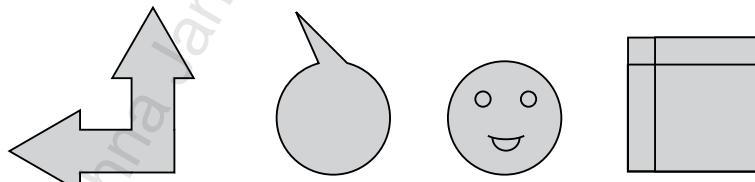
- A. 15 cm B. 24 cm C. 21 cm D. 16 cm

20. If the given clock is 30 minutes slow, then which of the following options shows the actual time?

- A. 10 minutes past 6 O' clock
B. 10 minutes to 7 O' clock
C. 10 minutes past 7 O' clock
D. 10 minutes to 6 O' clock



21. How many of the following figures do not have any line of symmetry?



- A. 1 B. 2 C. 3 D. 4

22. By how much is $\frac{19}{20}$ greater than $\frac{7}{20}$?

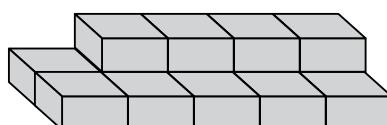
- A. $\frac{13}{20}$ B. $\frac{12}{20}$ C. $\frac{21}{20}$ D. $\frac{31}{20}$

SPACE FOR ROUGH WORK

23. Shivam mixed 5L of litchi juice and 3L of guava juice and poured the mixture equally into 25 glasses. How much quantity of juice does each glass has?

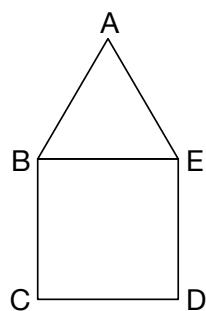
- A. 320 mL B. 200 mL C. 250 mL D. 270 mL
-

24. How many cuboids are required to make the given solid?



- A. 10 B. 11 C. 14 D. 15
-

25. The given figure is made up of an equilateral triangle and a square. If the perimeter of the given figure is 40 cm, then find CD.

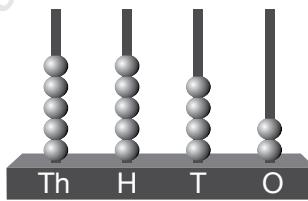


- A. 5 cm
B. 8 cm
C. 6 cm
D. None of these

26. 6000 newspapers were delivered by 43 boys to various areas. How many newspapers were left, if each boy delivered equal number of newspapers?

- A. 3 B. 20 C. 23 D. 17
-

27. How many beads should be added to the tens place in the given abacus, if it has to represent a number which is 3 tens more than the number shown in the abacus?



- A. 2 B. 5 C. 3 D. 6
-

28. A salesman sold a bike at ₹ 1,15,000 when rounded off to the nearest thousands. What could be the possible value of bike?

- A. ₹ 1,14,250 B. ₹ 1,15,625 C. ₹ 1,15,225 D. ₹ 1,15,525
-

SPACE FOR ROUGH WORK

29. A contractor got contract for the construction of two roads. The length of first road is 82 km 500 m and that of second road is 75 km 250 m. Find the total length of the road that he needs to construct.

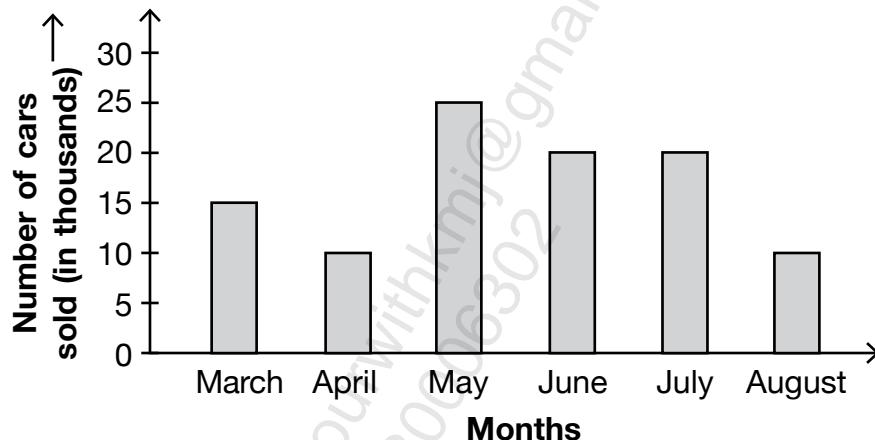
- A. 7 km 250 m B. 152 km 500 m C. 50 km 250 m D. 157 km 750 m

30. A movie started at 4:00 p.m. and finished at 7:15 p.m. If the duration of interval break in the movie was 20 minutes, then the actual duration of the movie was _____.

- A. 3 hours 35 minutes B. 2 hours 55 minutes
C. 2 hours 50 minutes D. 3 hours 15 minutes

ACHIEVERS SECTION

31. The given bar graph shows the number of cars sold by a company from March to August.



- (i) In which of the following months, the sales were more than the previous month?
(ii) Find the difference between the total sale of cars in the month of April and May together and the sales of cars in August.

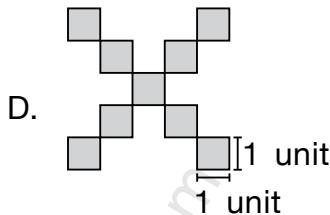
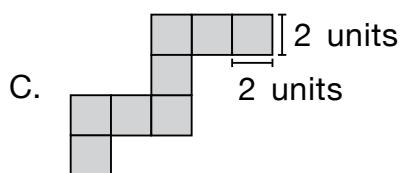
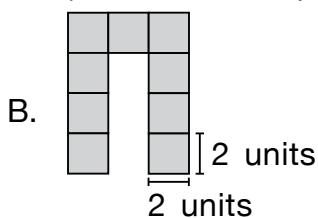
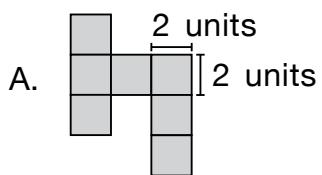
- | (i) | (ii) |
|---------|--------|
| A. May | 25,000 |
| B. June | 25,000 |
| C. July | 15,000 |
| D. May | 10,000 |

32. If $P + Q + R = \frac{13}{15}$, $P + Q = \frac{7}{10}$ and $P - R = \frac{1}{30}$, then find the value of $Q + R$.

- A. $\frac{1}{6}$ B. $\frac{2}{3}$ C. $\frac{1}{5}$ D. $\frac{4}{5}$

SPACE FOR ROUGH WORK

33. Which of the following figures (not drawn to scale) has the least perimeter?



34. Which of the following statements is INCORRECT?

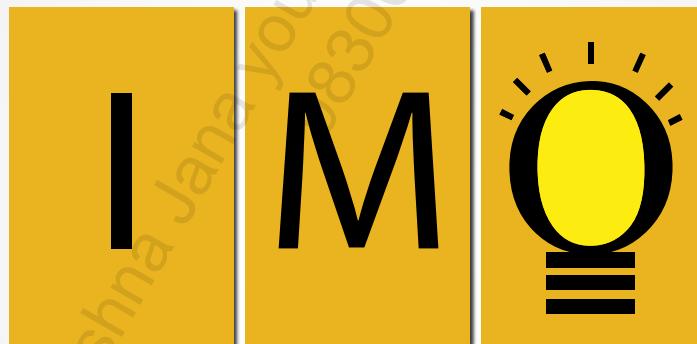
- A. 40 thousands + 20 tens + 90 ones is 40290.
- B. In roman numeral symbol X cannot be subtracted from L.
- C. The sum of third multiple of 8 and fifth multiple of 5 is 49.
- D. 8 is a factor of both 32 and 56.

35. At 9:15 a.m., Amit left his house and reached the market at 10:20 a.m. After shopping, he left the market at 11:50 a.m.. He reached back his house at 12:30 p.m..

- (i) How much time did he spend at the market?
- (ii) How much time did he take to travel to his house from the market?

- | (i) | (ii) | (i) | (ii) |
|-----------------|---------|-----------------|---------|
| A. 1 hr 20 mins | 50 mins | B. 1 hr 30 mins | 40 mins |
| C. 45 mins | 40 mins | D. 90 mins | 50 mins |

SPACE FOR ROUGH WORK



LEVEL - 2

Year 2019-20

MATHEMATICS

1. A wooden log is 3 m 48 cm long and another wooden log is 3 m 140 mm long. What is the total length of both the logs?

A. 5 m 56 cm B. 662 cm C. 5060 cm D. 5 m 62 cm

2. How many letters in the given word have at least one line of symmetry?

THOUSAND

A. 4 B. 6 C. 5 D. None of these

3. Which of the following numbers has the greatest number of factors?

A. 81 B. 45 C. 32 D. 24

4. In the number 46328, if the digits at hundreds place and ten thousands place interchange, then find the sum of place values of all the digits in the new number formed.

A. 43628 B. 36428 C. 23 D. 34628

5. Find the sum of 8th multiple of 12 and 6th multiple of 9.

A. 150 B. 129 C. 159 D. 180

6. Find the missing number.

$$85 \times 114 = 5 \times 3 \times 17 \times ? \times 2$$

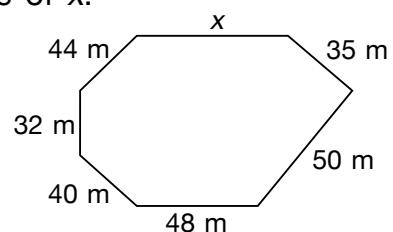
A. 17 B. 21 C. 15 D. 19

7. A container has a capacity of 61 L 365 mL. How many cans each of capacity 4 L 91 mL are needed to fill the container?

A. 25 B. 18 C. 15 D. 12

8. If the perimeter of the given figure is 301 m, then find the value of x.

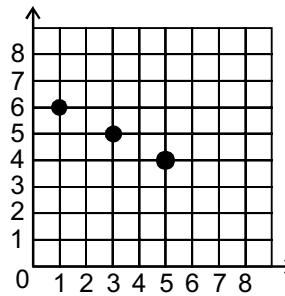
A. 51 m
B. 50 m
C. 52 m
D. 54 m



9. A bus carries 65 passengers in each trip. How many passengers will the bus carry in the months of July, August and September, if it makes 12 trips a day?

A. 70980 B. 72540 C. 70200 D. 71760

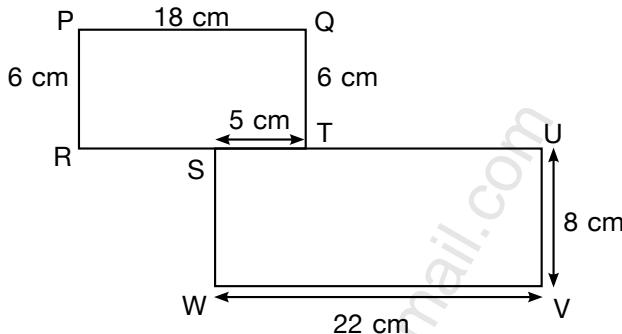
SPACE FOR ROUGH WORK

10. Kanika wakes up at 6:15 a.m. She leaves her home after 20 minutes for jogging and jogs for 35 minutes. At what time her jogging completes?
A. 7:05 a.m. B. 7:10 a.m. C. 7:15 a.m. D. 7:20 a.m.
-
11. Ajay bought 2 toy cars and 3 toy trains. The cost of a toy train is ₹ 45 more than the cost of a toy car. If he gave the cashier two ₹ 500 notes, then how much change did he get?
A. ₹ 215
B. ₹ 310
C. ₹ 115
D. ₹ 210
- ₹ 130
-
12. Veer plotted 3 points on a grid.
The three points together make a _____.
A. Straight line
B. Square
C. Triangle
D. None of these
- 
-
13. Consider the following numbers.
- MCLIII, MCDIV, MMCD
MCDXXIV, MCCLV, MCDXV
- Find the difference between the digits at hundreds place of the greatest and the smallest number.
- A. 3 B. 6 C. 5 D. 0
-
14. The difference of two numbers is 7889. If the greater number is 52438, then find their sum.
A. 45469 B. 96987 C. 44549 D. 99689
-
15. The given table shows the duration of Aanya's tuition classes on four days. How much total time did Aanya spend on tuition classes?
- A. 7 hrs 32 mins
B. 6 hrs 42 mins
C. 7 hrs 42 mins
D. 6 hrs 32 mins
- | Day | Time |
|-----------|---------------|
| Monday | 2 hrs 15 mins |
| Tuesday | 45 mins |
| Wednesday | 1 hr 52 mins |
| Thursday | 1 hr 40 mins |
-

SPACE FOR ROUGH WORK

16. If + + + + = 35 and = + , then find the value of + .
- A. 10 B. 18 C. 20 D. 15
-

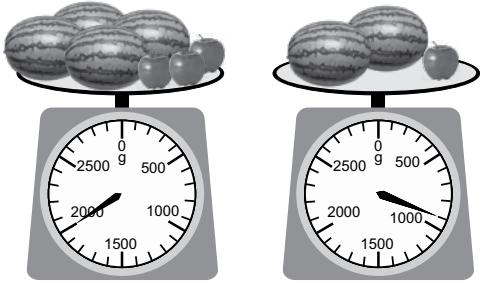
17. Find the perimeter of the given figure.



- A. 98 cm B. 96 cm C. 102 cm D. 108 cm
-

18. Study the given figures carefully and find the weight of + .

- A. 450 g
B. 480 g
C. 550 g
D. 580 g



19. Find the value of $(P + T + Q) - (R + S)$.

- A. 8 B. 0 C. 3 D. 4

<input type="text" value="P"/>	7	5	2	<input type="text" value="T"/>
- 4	<input type="text" value="S"/>	6	<input type="text" value="R"/>	3
2	1	<input type="text" value="Q"/>	3	1

20. Priya, Payal and Kirti bought $1\frac{3}{4}$ m, $2\frac{2}{5}$ m and $3\frac{1}{2}$ m of ribbon for decorating the birthday present for Raman. What is the total length of ribbon they bought?

- A. $7\frac{11}{20}$ m B. $6\frac{13}{20}$ m C. $7\frac{13}{20}$ m D. $6\frac{11}{20}$ m
-

SPACE FOR ROUGH WORK

21. Who am I?

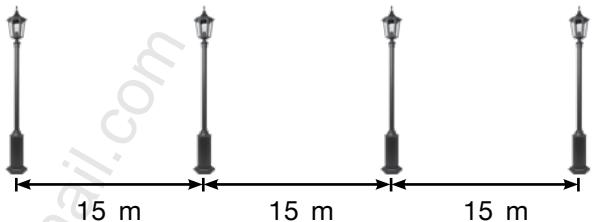


I am a four digit number. I have 4 in the hundreds place. I am greater than 1000. I have 6 in the tens place. Sum of my digits is 12. My thousands place and ones place digits are same.

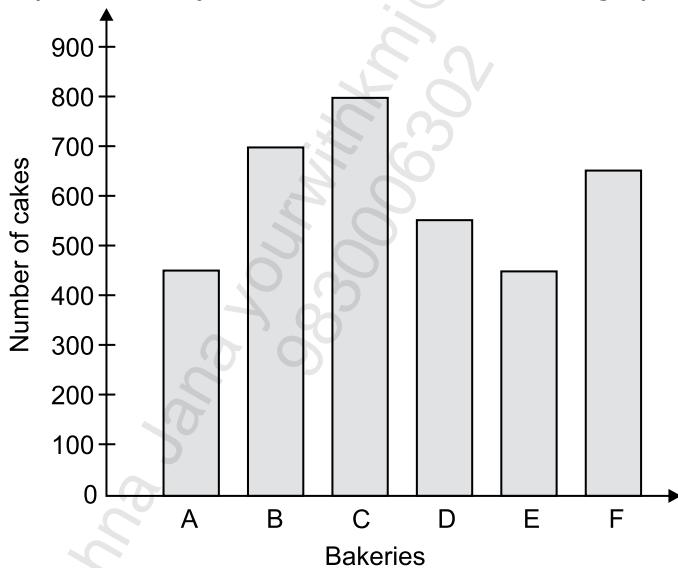
- A. 1641 B. 1461 C. 2462 D. 2460

22. 400 poles were erected along a straight road. The distance between two consecutive poles is 15 m. What is the distance between first and 199th pole?

- A. 2 km 985 m
B. 2 km 970 m
C. 3 km 970 m
D. 3 km 985 m



Direction (23-24) : The given graph shows the number of cakes sold by 6 bakeries in November. Study the graph carefully and answer the following questions.



23. Which bakery sold 250 more cakes than Bakery A?

- A. B B. C C. D D. F

24. How many more cakes did Bakery B sell than Bakery F?

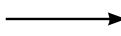
- A. 50 B. 100 C. 150 D. 200

SPACE FOR ROUGH WORK

25. Which of the following statements is CORRECT?

- A. A triangle with only two sides of equal length is called an equilateral triangle.
 - B. Diameter of a circle is greater than its radius.
 - C. A rectangle has four lines of symmetry.
 - D. None of these
-

26. If



Pot



Mug

Cup

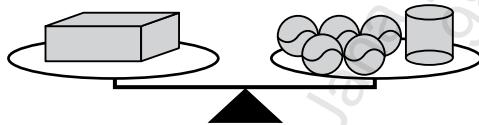
then _____ cups are needed to fill the pot.

- A. 36
 - B. 33
 - C. 15
 - D. 18
-

27. Avika was saving money to buy a necklace worth ₹ 5824. She saved ₹ 416 every month for 1 year. How much more money does she need to save to buy the necklace?

- A. ₹ 832
 - B. ₹ 932
 - C. ₹ 780
 - D. ₹ 820
-

28. If the weight of is 2 kg, then the weight of is _____ kg.



- A. 40
 - B. 10
 - C. 20
 - D. 15
-

29. A farmer plucked 13598 tea leaves from his garden. 98 were found rotten. He packed the good ones in packets each containing 150 tea leaves. How many packets did he use?

- A. 80
 - B. 90
 - C. 85
 - D. 95
-

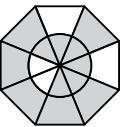
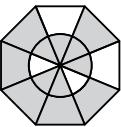
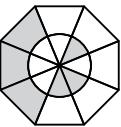
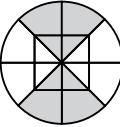
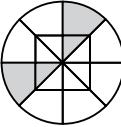
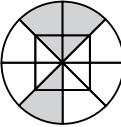
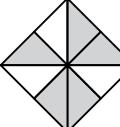
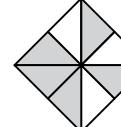
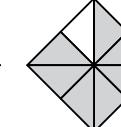
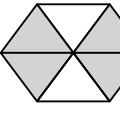
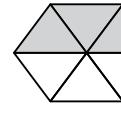
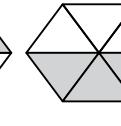
30. Kapil has 2205 candies and muffins altogether. If the number of candies is 6 times the number of muffins, then find the number of candies.

- A. 315
 - B. 1580
 - C. 1890
 - D. 270
-

SPACE FOR ROUGH WORK

ACHIEVERS SECTION

31. Match the figures given in Column I with their unshaded fractions given in Column II and select the correct option.

	Column I	Column II
(P)	  	(i) $\frac{4}{3}$
(Q)	  	(ii) $\frac{9}{8}$
(R)	  	(iii) $\frac{15}{8}$
(S)	  	(iv) $\frac{7}{8}$

- A. (P) – (ii), (Q) – (iii), (R) – (iv), (S) – (i)
 B. (P) – (iv), (Q) – (ii), (R) – (i), (S) – (iii)
 C. (P) – (ii), (Q) – (i), (R) – (iv), (S) – (iii)
 D. (P) – (i), (Q) – (ii), (R) – (iii), (S) – (iv)

32. Read the given statements carefully and state T for true and F for false.

- P** : 4 is the smallest composite number.
Q : A prime number has only 1 factor.
R : All prime numbers are odd.

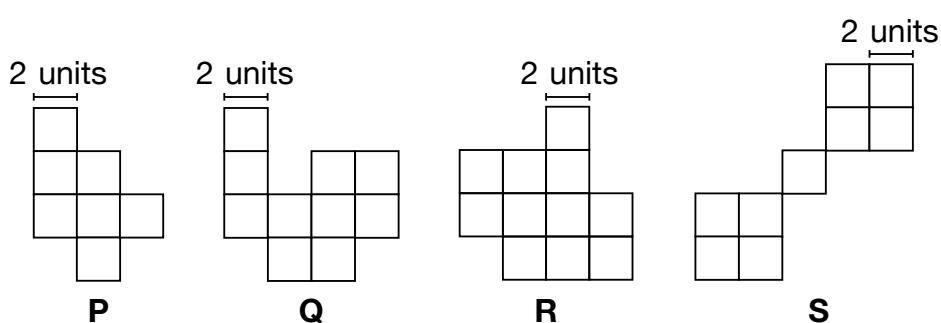
P	Q	R
A. F	T	T
B. T	F	T
C. F	T	F
D. T	F	F

33. Anamika's flight to Bangalore departs at 2:45 p.m. She has to check in at the airport terminal 1 hour 10 minutes earlier. The journey to the terminal takes 1 hr 15 mins. She needs 45 minutes to get dressed and 20 minutes to have her lunch. At what time should she start preparing for her trip?

- A. 10 : 55 a.m. B. 11 : 15 p.m. C. 11 : 15 a.m. D. 12 : 05 p.m.

SPACE FOR ROUGH WORK

34. Arrange the given figures in ascending order of their perimeters.

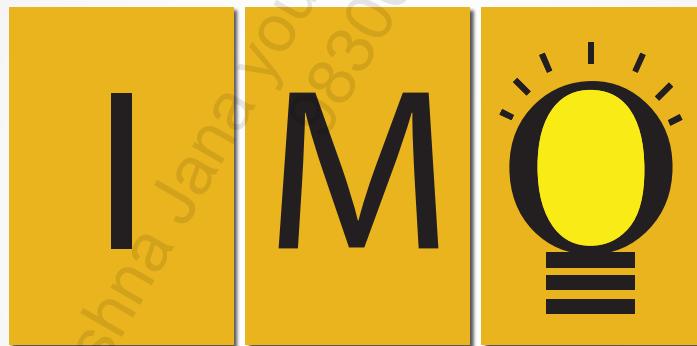


- A. S, Q, R, P B. S, P, R, Q C. P, R, Q, S D. R, P, Q, S

35. Select the CORRECT match.

- A. MDCXXX + MXLVIII = MMDCLVIII B. MCCLXV + MDCIX = MDCCCLXIV
C. MM_DLXIV + DCVI = MMMCLX D. MCDVII + MCDIX = MMDCCCXVI

SPACE FOR ROUGH WORK



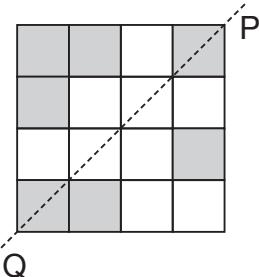
LEVEL - 2

Year 2022-23

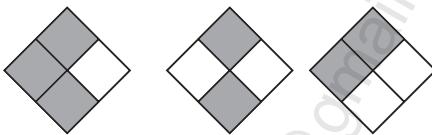
MATHEMATICS

1. How many common factors do the numbers 40 and 90 have?
 A. 5 B. 4 C. 6 D. 8
-

2. What is the minimum number of squares that must be shaded so that the given figure has PQ as a line of symmetry?
 A. 3
 B. 2
 C. 4
 D. 5
-



3. Which of the following options represents the shaded part of the given figures?



- A. $\frac{2}{4} + \frac{1}{4} + \frac{1}{4}$ B. $\frac{3}{4} + \frac{2}{4} + \frac{1}{4}$ C. $\frac{3}{4} + \frac{2}{4} + \frac{2}{4}$ D. $\frac{2}{4} + \frac{2}{4} + \frac{1}{4}$
-

4. Select the CORRECT option.

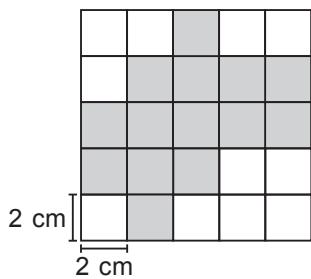
- A. - 15 minutes past 8
 B. - 20 minutes to 8
 C. - Quarter past 5
 D. - 10 minutes to 3
-

5. In a school race, Aman ran 2 km 50 m, Gunjan ran 3 km 150 m and Kartik ran 1 km 540 m. How much distance did they cover altogether?

- A. 7 km 190 m B. 6 km 650 m C. 5 km 740 m D. 6 km 740 m
-

6. Find the perimeter of the shaded part of the given figure.

- A. 28 cm
 B. 20 cm
 C. 38 cm
 D. 40 cm



SPACE FOR ROUGH WORK

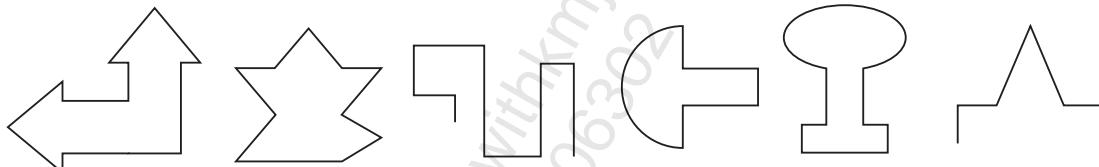
7. Which of the following options is CORRECT?
- A. $8214 = 8000 + 10 + 4$
B. $21425 = 20000 + 1000 + 400 + 50$
C. $32104 = 30000 + 2000 + 100 + 4$
D. $4146 = 4000 + 100 + 60 + 4$
-
8. The given table shows the number of books donated by an NGO to needy children in five different months.

Months	January	February	March	April	May
Number of books	250	100	130	120	150

Find the fraction of the number of books donated in January and May together to the total number of books donated in all the five months.

- A. $\frac{3}{19}$ B. $\frac{5}{17}$ C. $\frac{4}{15}$ D. $\frac{8}{15}$
-

9. How many of the following figures are closed?



- A. 4 B. 5 C. 6 D. 3

10. Which should not be placed in the box to have the numbers in order from the greatest to the least?

7952 5642 ? 2341

- A. 2431 B. 3241 C. 5611 D. 5946

11. Which of the following options shows the sum of CDXLII and CCCLXVI?

- A. DXCIX B. DCCXLVI C. DCCCVIII D. CMXVIII

12. Find the sum of place values and face values of digits at thousands place and tens place in the given number.

4 5 9 3 2

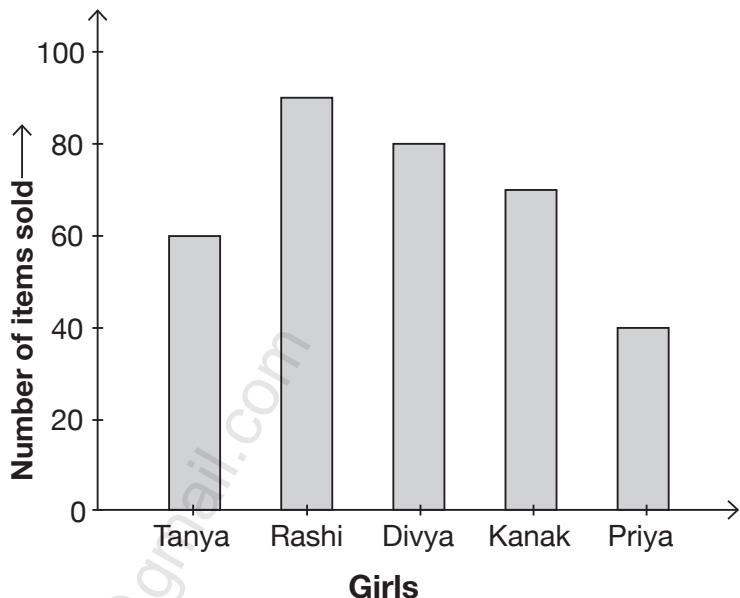
- A. 16 B. 1050 C. 5030 D. 5038

SPACE FOR ROUGH WORK

Direction (13-14) : The given bar graph shows the number of decorative items sold by five girls during the Diwali Mela in a school. Study the given graph carefully and answer the following questions.

13. If each decorative item costs ₹ 125, then find the amount of money earned by Rashi.

A. ₹ 11250
B. ₹ 13500
C. ₹ 9800
D. None of these



14. Find the difference between the number of items sold by Tanya and Kanak together and the number of items sold by Priya.

A. 100 B. 95
C. 90 D. 110

15. Sahil has a field of rectangle shape. The length of the field is twice its breadth. The breadth is 80 m. Find the perimeter of the field.

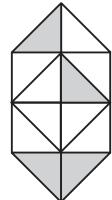
A. 360 m B. 480 m C. 460 m D. 520 m

16. How many of the following letters have parallel lines?

TARGET

A. 5 B. 4 C. 6 D. 3

17. How many more triangles should be shaded so that the given figure has $\frac{2}{3}$ as a shaded fraction?



A. 4 B. 3
C. 5 D. None of these

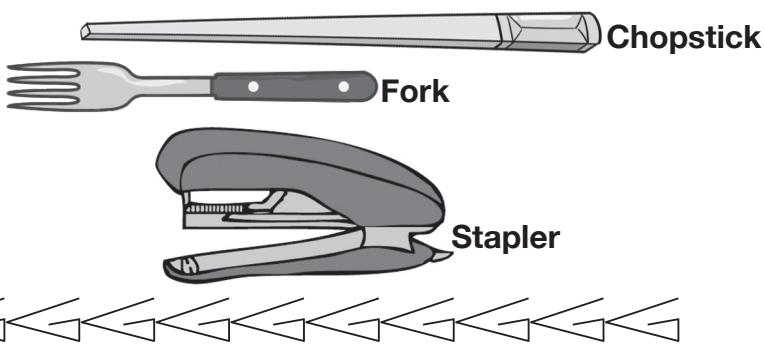
18. What will you get, if you round off the greatest 5-digit even number to the nearest hundreds?

A. 100000 B. 10000 C. 99000 D. 99900

SPACE FOR ROUGH WORK

19. Study the given picture carefully and answer the following question.

The length of stapler and fork together
is _____ longer than the
length of chopstick.



- A. 1
- B. 2
- C. 3
- D. 4

20. The given clocks shows the time at which Suhani started and finished the lunch.

How much time did she take to finish the lunch?

- A. 20 minutes
- B. 30 minutes
- C. 25 minutes
- D. 35 minutes



Starting time

Finishing time

21. During the kite festival, a shopkeeper bought 3750 kites. If there are 15 kites in a box, then how many boxes did the shopkeeper buy?

- A. 200
- B. 325
- C. 250
- D. None of these

22. How many prime numbers are there between 10 and 35?

- A. 6
- B. 7
- C. 9
- D. 10

23. Which of the following options shows the equivalent fraction of the sum of $\frac{1}{5}$ and $\frac{3}{10}$?

- A. $\frac{8}{14}$
- B. $\frac{15}{30}$
- C. $\frac{15}{20}$
- D. $\frac{7}{25}$

24. Raghav goes to his office daily by his bike through different routes. The petrol used on different days of a week are given in the table.

How much petrol was used on Wednesday, if he used 2 L of petrol in the given 6 days?

- A. 460 mL
- B. 310 mL
- C. 420 mL
- D. None of these

Days	Petrol used
Monday	270 mL
Tuesday	320 mL
Wednesday	-----
Thursday	410 mL
Friday	250 mL
Saturday	290 mL
Total	2 L

SPACE FOR ROUGH WORK

25. Read the given statements carefully and select the CORRECT option.

26. Find the difference between the greatest 5-digit and smallest 5-digit numbers formed from the digits 0, 2, 3, 5 and 8 (use each digit only once).

- A. 68888 B. 52486 C. 64962 D. 91254

27. If  +  = ₹ 950 and  +  +  = ₹ 750, then
find the cost of .

- A. ₹ 200 B. ₹ 270 C. ₹ 320 D. ₹ 350

Direction (28-29): The following table shows the number of bulbs produced by 4 factories over a period of 4 months.

	Factory U	Factory V	Factory W	Factory X
May	2545	2254	1000	900
June	1268	1393	1217	1218
July	1864	1900	1354	1305
August	2154	2387	1747	983

28. How many bulbs did Factory U produce in these 4 months?

29. How many more bulbs did Factory V produce than Factory W in May and June together?

30. Select the CORRECT option.

- A. Two fractions are said to be equivalent, if they have same denominators.
 - B. $\frac{5}{15}$ and $\frac{20}{60}$ are equivalent fractions.
 - C. Both A and B
 - D. Neither A nor B

SPACE FOR ROUGH WORK

ACHIEVERS SECTION

31. The given pictograph shows the number of different types of pets sold by six shops. Study the given pictograph carefully and answer the following questions.

(a) What is the fraction of number of pets sold by shop S to the number of pets sold by shop P?

(b) How many total pets were sold by shops Q, R, T and U?

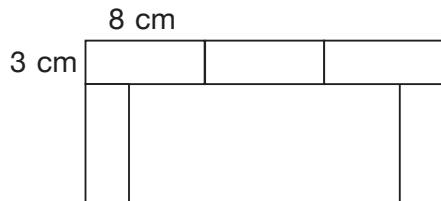
(a)	(b)
A. $\frac{1}{3}$	68
B. $\frac{2}{3}$	60
C. $\frac{2}{3}$	68
D. $\frac{3}{4}$	60

Shops	Number of pets sold
P	(7 groups of 4 stars)
Q	
R	
S	
T	
U	

Key : stands for 4 pets.

32. The given figure is made up of 5 identical rectangles. The length and breadth respectively of each rectangle are 8 cm and 3 cm. Find the perimeter of the given figure (not drawn to scale).

- A. 83 cm
- B. 80 cm
- C. 78 cm
- D. None of these



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

- (i) The sum of 14580 and 2582 when rounded off both numbers to the nearest hundreds places, is _____.
- (ii) Round off the number 56897 to the nearest thousands place. The sum of place values of the digits at tens place and hundreds place in the result obtained is _____.

(i)	(ii)
A. 18000	800
B. 17200	0
C. 17000	0
D. 18200	8

SPACE FOR ROUGH WORK

34. Divya and her friends went for lunch at a restaurant. The items ordered by them and their costs are given in the bill (as shown). If she paid ₹ 1940 in total, then find the amount paid for cutlet.

- A. ₹ 410
- B. ₹ 280
- C. ₹ 270
- D. ₹ 350

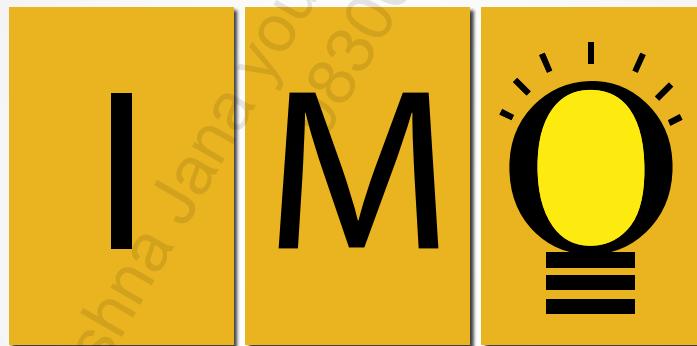
Bill	
Pizza	₹ 450
Cutlet
Juice	₹ 190
Soup	₹ 150
Burger	₹ 95
Noodles	₹ 275
Pasta	₹ 430

35. Read the given statements carefully and state 'T' for true and 'F' for false.

- (i) Roman numeral for the largest three digit even number is CMXCIX.
- (ii) In Roman numeral system, V can be subtracted from X.
- (iii) The Hindu-Arabic numeral for CDLXIX is 469.

- | (i) | (ii) | (iii) |
|------|------|-------|
| A. F | F | T |
| B. F | T | F |
| C. T | F | T |
| D. T | T | F |

SPACE FOR ROUGH WORK

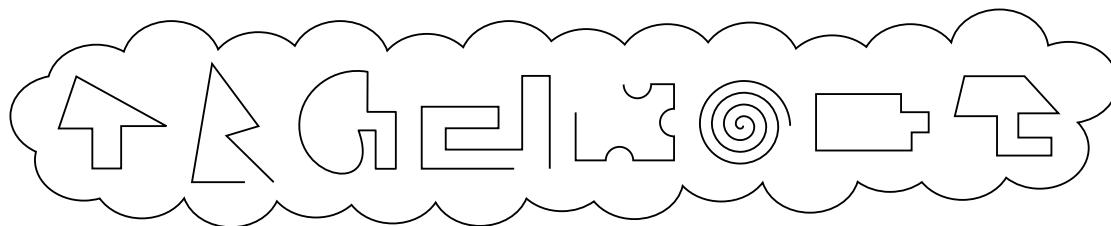


LEVEL - 2

Year 2023-24

MATHEMATICS

1. How many of the following figures in the given cloud are closed?



- A. 4 B. 3 C. 5 D. 6
-
2. Find the value of + , if + + + + = 2700
and - = 428.
- A. 652 B. 540 C. 112 D. 684
-
3. Monika's weight is less than 60 kg but more than 29 kg. If she gains 3 kg, her weight will be a multiple of 8. If she loses 4 kg, her weight will be a multiple of 7. Find Monika's weight.
- A. 51 kg B. 53 kg C. 48 kg D. 42 kg
-
4. How many more squares must be shaded in the given figure to represent $\frac{3}{4}$ as shaded fraction?
- A. 8 B. 7 C. 6 D. 9
-
-
5. If $\star + \triangle = 2309$, $5 \odot = 4365$ and $\odot + \triangle = 1927$, then find the value of $5\star + 2\triangle$.
- A. 4255 B. 6275 C. 7780 D. 8383
-
6. Find the perimeter of the shaded part of the given figure (not drawn to scale).
- A. 140 cm B. 135 cm C. 145 cm D. None of these
-

SPACE FOR ROUGH WORK

7. Consider the costs of some items given below and answer the following question.

Items	Cost (in ₹)
Ruler	XXV
Book	LXXX
Paint brush	XLVIII
Packet of crayons	LXXV

_____ is the costliest item and _____ is the cheapest item amongst all.

8. On Wednesday, Akshay spent ₹ 1530 on laptop repair and ₹ 2120 on buying clothes. On Thursday, he paid ₹ 5760 for travelling. How much did he spend in these two days altogether?

- A. ₹ 7580 B. ₹ 8230 C. ₹ 9760 D. ₹ 9410

9. Rashi said, "I am adding 3 four-digit numbers."

Which of the following options describes what Rashi should expect as her sum?

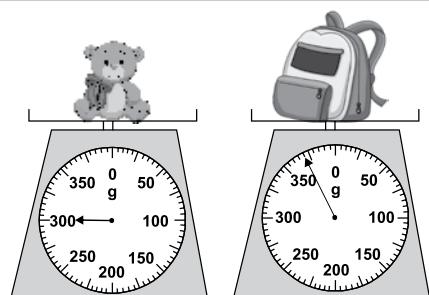
- A. A three-digit sum because she is adding three numbers.
 - B. A four-digit sum because she is adding four-digit numbers.
 - C. She will get answer above 10,000.
 - D. Either a four or five-digit number because she may be adding numbers that could be as small as 1,000 or as large as 9,999.

10. Select the CORRECT option.

- A. CMLIX < DCCCCIV
 - B. CDXLVIII = 448
 - C. The roman numeral for the smallest 4-digit number is D.
 - D. None of these

11. What is the total weight of teddy bear and school bag?

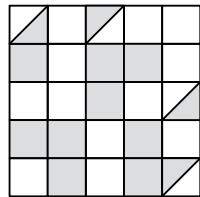
- A. 400 g
 - B. 375 g
 - C. 590 g
 - D. 670 g



SPACE FOR ROUGH WORK

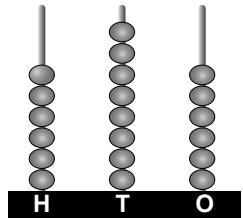
12. How many lines of symmetry are there in the given figure?

- A. 0
- B. 1
- C. 2
- D. 3



13. How many beads should be removed from the tens place and hundreds place rods respectively in the abacus shown here, if it has to represent number 28 tens less than the number shown in the abacus?

- A. 2, 2
- B. 8, 2
- C. 2, 1
- D. 3, 0



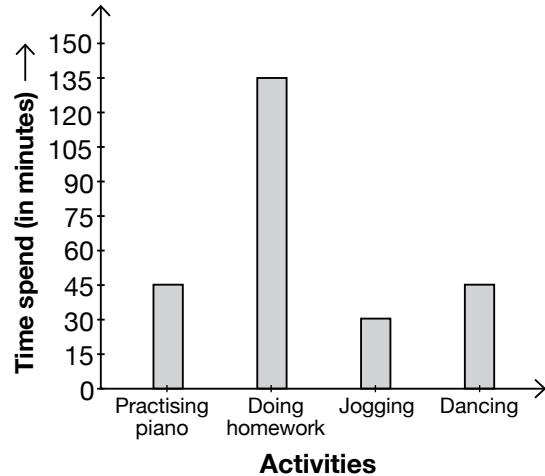
14. The total length of 7 different poles is $23\frac{1}{6}$ m. The length of each of the first 5 poles is $\frac{17}{6}$ m. The length of the 7th pole is half the length of the 6th pole. What is the length of the 7th pole?

- A. 1 m
- B. 5 m
- C. 3 m
- D. 6 m

Direction (15-17) : The given bar graph shows the amount of time Navya spends doing various activities on Sunday. Study the given graph carefully and answer the following questions.

15. How much more time did she spend on doing homework than on jogging?

- A. 1 hour 35 minutes
- B. 1 hour 45 minutes
- C. 40 minutes
- D. 1 hour 15 minutes



16. If she spent 15 minutes more on practising piano, then how much total time did she spend on practising piano and jogging together?

- A. 60 minutes
- B. 85 minutes
- C. 45 minutes
- D. 1 hour 30 minutes

17. Find the fraction of time spent by her on dancing to the time spent on doing homework.

- A. $\frac{2}{9}$
- B. $\frac{1}{3}$
- C. $\frac{2}{5}$
- D. None of these

SPACE FOR ROUGH WORK

18. Factors of sum of the common factors of 18, 24 and 36 is _____.
A. 1, 2, 3, 4, 6, 12 B. 2, 4, 6, 12
C. 1, 2, 4, 12 D. 1, 2, 4, 6, 12
-
19. The capacity of a small container is 400 mL and the capacity of a big container is 1500 mL. If Sumit uses 9 small containers and 2 big containers of water to fill up an empty tank, then what is the capacity of the tank?
A. 5 L 200 mL B. 6 L 600 mL C. 4 L 500 mL D. 6 L 60 mL
-
20. How many of the following letters have parallel lines?
- H E R I T A G E**
- A. One B. Two C. Three D. More than three
-
21. Mukti is 21 years old. Her father is thrice as old as she is. How old will she be when her father turns 70?
A. 28 years B. 29 years C. 42 years D. 63 years
-
22. Pia started doing her homework at 15:44. She completed her homework at 20:12. How long did she take to complete her homework?
A. 4 hrs 28 mins B. 4 hrs 32 mins C. 5 hrs 28 mins D. 5 hrs 32 mins
-
23. Neerav has three bags P, Q and R having 40, 39 and 45 balls respectively. Out of which, he lost 10, 15 and 12 balls respectively. Find the fraction of number of balls left in the bag Q to the number of balls left in bag P and bag R together.
A. $\frac{3}{17}$ B. $\frac{8}{21}$ C. $\frac{9}{25}$ D. None of these
-
24. Mr. Sharma's class is going on a field trip. In each of the 2 vans, there will be 7 children and 1 adult. In each of the 4 cars, there will be 4 children and 1 adult. How many people are going on the field trip?
A. 17 B. 30 C. 36 D. 38
-
25. If X is the greatest 5-digit number that can be formed with the digits 4, 2, 1 and 3 (use each digit at least once), then the place value of the digit at hundreds place of X is _____.
A. 200 B. 300 C. 400 D. 3
-

SPACE FOR ROUGH WORK

26. Which of the following is/are incorrect?

(i) $6 + \frac{8}{10} + \frac{3}{10} = 6$

(ii) $100 \times (87) = 8700$

(iii) $\frac{9}{10} - \frac{9}{100} = \frac{81}{100}$

(iv) $\frac{9}{5} \times \frac{4}{15} \times \frac{3}{2} \times \frac{5}{8} \times \frac{2}{5} \times \frac{0}{3} = 7$

- A. Both (i) and (ii) B. (i), (ii) and (iii) only C. (iii) only D. Both (i) and (iv)

27. Sanya went to her friend's house at 9:45 am. She came back home in 180 minutes. If the given clock shows the time when she came back home, then which of the following options is correct?

- A. Clock is 15 minutes slow. B. Clock is 30 minutes slow.
C. Clock is 15 minutes fast. D. Clock is 30 minutes fast.



28. The given pictograph shows the number of bicycles sold by Manish during the five days of a week. Study the given graph carefully and answer the following question.

Days	Number of bicycles sold
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Each stands for 10 bicycles.	

If each bicycle was sold at ₹ 350, then find the total amount earned by Manish on Monday, Wednesday and Thursday altogether.

- A. ₹ 40000 B. ₹ 5250 C. ₹ 45400 D. ₹ 52500

29. Compare and fill the box.

$$\frac{4}{20} + \frac{15}{25} + \frac{32}{80} \quad \square \quad \frac{7}{5} + \frac{100}{125} + \frac{3}{5}$$

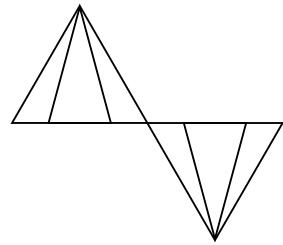
- A. >
C. =

- B. <
D. Can't be determined

SPACE FOR ROUGH WORK

30. How many triangles are there in the given figure?

- A. 14
- B. 15
- C. 12
- D. None of these



ACHIEVERS SECTION

31. Identify the 4-digit number.

- Its thousands place digit is the sum of its tens place digit and ones place digit.
- Its hundreds place digit is the greatest one-digit number.
- Its tens place digit is not same as its hundreds place digit.

If none of the digits of above number are same, then what is the greatest possible 4-digit number it can be?

- | | |
|---------|---------|
| A. 9863 | B. 9876 |
| C. 8971 | D. 8976 |

32. The table below shows the activities in which the students of different schools can participate.

Activity	Girls	Boys	Total
Chess	158		
Art		57	104
Photography	105	18	

If there are three times as many boys participating in Chess as the number of boys in Art, then answer the following questions.

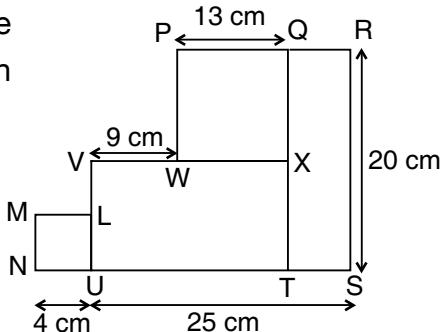
- (i) How many less participants were there in Photography in total than the number of boys in Chess?
- (ii) If 24 more girls and 25 more boys were participated in Art and Photography respectively, then how many more girls than boys were participated in all the activities?

- | | |
|-------|------|
| (i) | (ii) |
| A. 50 | 58 |
| B. 48 | 57 |
| C. 48 | 63 |
| D. 67 | 61 |

SPACE FOR ROUGH WORK

33. If QRST and TUVX are rectangles & PQXW and MLUN are squares, then the perimeter of the given figure (not drawn to scale) is _____.

- A. 87 cm
- B. 92 cm
- C. 88 cm
- D. 98 cm



34. Daksh took 35 mins to travel from his home to the stadium to watch a football match. He reached the stadium 20 mins before the match started. If the match lasted 1 hr 45 mins and ended at 21:30, then at what time did Daksh leave his house?

- A. 19:00
- B. 19:50
- C. 18:00
- D. 18:50

35. If + = $10\frac{13}{15}$ and + = $12\frac{2}{5}$, then find the value of + + .

- A. $15\frac{8}{15}$
- B. $13\frac{4}{15}$
- C. $2\frac{1}{5}$
- D. None of these

SPACE FOR ROUGH WORK

ANSWER KEYS

IMO 2017-18

1.	(B)	6.	(D)	11.	(B)	16.	(A)	21.	(A)	26.	(B)	31.	(C)
2.	(C)	7.	(C)	12.	(A)	17.	(C)	22.	(D)	27.	(D)	32.	(A)
3.	(A)	8.	(C)	13.	(C)	18.	(B)	23.	(A)	28.	(B)	33.	(D)
4.	(D)	9.	(D)	14.	(B)	19.	(A)	24.	(A)	29.	(C)	34.	(D)
5.	(A)	10.	(C)	15.	(D)	20.	(B)	25.	(B)	30.	(D)	35.	(A)

IMO 2018-19

1.	(B)	6.	(B)	11.	(C)	16.	(A)	21.	(A)	26.	(C)	31.	(A)
2.	(A)	7.	(B)	12.	(D)	17.	(D)	22.	(B)	27.	(C)	32.	(B)
3.	(B)	8.	(D)	13.	(D)	18.	(B)	23.	(A)	28.	(C)	33.	(A)
4.	(A)	9.	(A)	14.	(C)	19.	(B)	24.	(C)	29.	(D)	34.	(B)
5.	(B)	10.	(A)	15.	(D)	20.	(B)	25.	(B)	30.	(B)	35.	(B)

IMO 2019-20

1.	(B)	2.	(B)	3.	(D)	4.	(B)	5.	(A)	6.	(D)	7.	(C)
8.	(C)	9.	(D)	10.	(B)	11.	(A)	12.	(A)	13.	(A)	14.	(B)
15.	(D)	16.	(D)	17.	(A)	18.	(C)	19.	(D)	20.	(C)	21.	(B)
22.	(B)	23.	(A)	24.	(A)	25.	(B)	26.	(A)	27.	(A)	28.	(C)
29.	(B)	30.	(C)	31.	(A)	32.	(D)	33.	(C)	34.	(C)	35.	(D)

IMO 2022-23

1.	(B)	2.	(A)	3.	(C)	4.	(C)	5.	(D)	6.	(D)	7.	(C)
8.	(D)	9.	(A)	10.	(D)	11.	(C)	12.	(D)	13.	(A)	14.	(C)
15.	(B)	16.	(C)	17.	(A)	18.	(A)	19.	(B)	20.	(D)	21.	(C)
22.	(B)	23.	(B)	24.	(A)	25.	(B)	26.	(C)	27.	(D)	28.	(A)
29.	(C)	30.	(B)	31.	(C)	32.	(D)	33.	(B)	34.	(D)	35.	(A)

IMO 2023-24

1.	(A)	2.	(A)	3.	(B)	4.	(B)	5.	(D)	6.	(A)	7.	(B)
8.	(D)	9.	(D)	10.	(B)	11.	(D)	12.	(A)	13.	(B)	14.	(C)
15.	(B)	16.	(D)	17.	(B)	18.	(A)	19.	(B)	20.	(D)	21.	(A)
22.	(A)	23.	(B)	24.	(C)	25.	(B)	26.	(D)	27.	(D)	28.	(D)
29.	(B)	30.	(C)	31.	(C)	32.	(C)	33.	(D)	34.	(D)	35.	(A)