

**CLASS 4: MATH OLYMPIAD SAMPLE PAPER**

1. Write a numerical form of Ninety-five thousand three hundred fifty-three?

- A) 95,353
- B) 93,535
- C) 95,354
- D) 95,535

2. How will you write 9999 in words?



- A) Ninety-nine thousand, nine hundred ninety-nine
- B) Nine thousand nine hundred ninety-nine
- C) Ninety Ninety-nine hundred
- D) All of above

3. Fill in the blank?

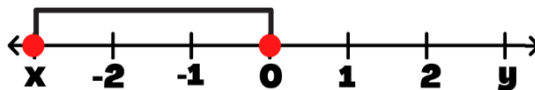
$$3\frac{5}{9}, \quad ?, \quad 8\frac{6}{9}$$

- A) {Greater than}
- B) < {Less than}
- C) = {Equal to}
- D) None of the above

4. Fill in the blank?

$$3\frac{5}{6}, \quad ?, \quad 2\frac{3}{3}$$

- A) > {Greater than}  
 B) < {Less than}  
 C) = {Equal to}  
 D) None of the above
5. The product of an odd number and an even number is always an \_ number?  
 A) Even  
 B) Odd  
 C) Even or odd  
 D) Can't say
6. The sum of an even number and an odd number is always an \_\_\_ number?  
 A) Even  
 B) Odd  
 C) Even or odd  
 D) Can't say
7. How can this inequality be shown?



- A)  $X < 0$  and  $X > 0$   
 B)  $X < 0$   
 C)  $X > 3$   
 D)  $X < 0$  or  $X > 3$

8. Which greatest number can be formed using numbers 9, 8, 6, 4, 0?  
 A) 06,489  
 B) 98,640  
 C) 89,640  
 D) 64,098

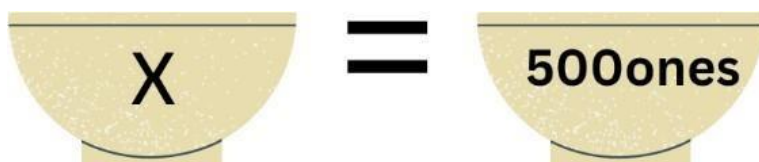
9. Complete the Series.L,

LX, LXX,....., XC



- A) C
- B) D
- C) M
- D) LXXX

10. 50 ..... = 500 ones



- A) Tens
- B) Hundreds
- C) Thousands
- D) Ones

11. What will be the sum of the smallest and greatest six-digit numbers?

- A) 9, 99,999
- B) 10, 00,000
- C) 10, 99,999
- D) None of the above

12. Which basic Roman number can never be subtracted?

- A) V
- B) L
- C) D
- D) All of above

13. In a garden, there are 11 non-flowering plants and 13 flowering plants. Total no of plants in the garden is\_\_\_\_\_?



- A) XIV
- B) XXIV
- C) XX
- D) XXX

14.  $9876 * 768 = ?$

- A) 0
- B) 98,768
- C) 75,84,786
- D) 75,84,768



15.  $86750 / 25 = ?$

- A) 3470
- B) 7034
- C) 3740
- D) 7347

16. A gardener has 319 square meters of area. She wants to plant mango trees. Each mango tree requires a 10 square meter area. How many mango trees can she grow?



- A) 30-35
- B) 25-30
- C) 20-25
- D) 35-40

17. Find the greatest no. which is completely divisible of 18, 36?

- A) 9
- B) 7
- C) 2
- D) 5

**Use the picture to answer the questions (19 to 20)**

A bus travels 250 km in 3 hours.



18. How long will it take to travel 300 km?

- A) 3 hours
- B) 3.5 hours
- C) 3.6 hours
- D) 2.5 hours

19. How far will it travel in 9 hours?

- A) 500 km
- B) 570 km
- C) 700 km
- D) 750 km

20. There are 48 apartments altogether in the building, how many apartments are there on each floor if building has total 8 floors?

- A) 9
- B) 5
- C) 6
- D) 1

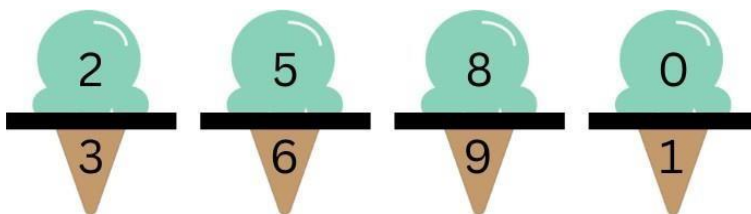
21. Choose the correct Symbol instead of ‘?’

$$18 \frac{16}{12} \quad ? \quad 13 \frac{16}{12}$$

- A) > {Greater than}
- B) < {Less than}
- C) = {Equal to}
- D) None of the above

**Use the picture to answer the questions (22 to 24)**

22. Which fraction will come first if arranged in ascending order?



- A)  $2/3$
  - B)  $5/6$
  - C)  $8/9$
  - D) 0
23. Which fraction will come last if arranged in descending order?
- A)  $2/3$
  - B)  $5/6$
  - C)  $8/9$
  - D) 0
24. Which fraction will come second if arranged in ascending order?
- A)  $2/3$
  - B)  $5/6$
  - C)  $8/9$
  - D) 0

25. Joanna took 54 minutes to walk to school. Her sister took 18 minutes less to walk. How long did it take Joanna's sister to walk to school?

- A) 30 minutes
- B) 36 minutes
- C) 38 minutes
- D) 35 minutes

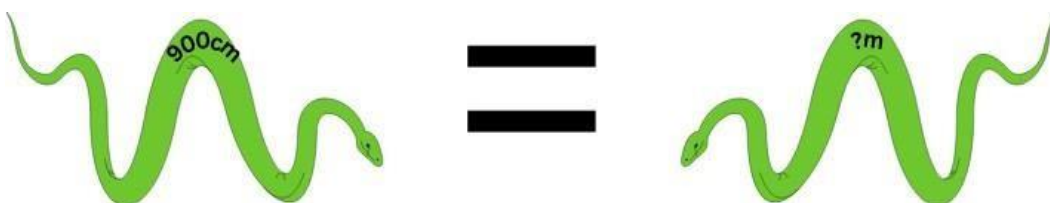
26. Write the number 8,925 in words?

- A) Eight thousand nine hundred twenty-five
- B) Eight hundred ninety-two and five
- C) Eighty-nine twenty-five
- D) Eight thousand ninety-two and five

27. Express 4,367 in expanded form?

- A)  $4000 + 300 + 60 + 7$
- B)  $400 + 30 + 6 + 7$
- C)  $4000 + 360 + 7$
- D)  $4000 + 300 + 6 + 7$

28.  $900 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$ ?



- A) 900
- B) 90
- C) 9
- D) 9000



29. Ron has 1 liter of milk. 380 ml of milk he gave to his brother; what quantity of milk is now left with him?

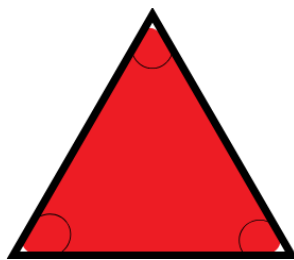


- A) 620 ml
- B) 6200 ml
- C) 6020 ml
- D) None of these

30.1 foot = Inches?

- A) 12
- B) 13
- C) 10
- D) 14

31. If all angles of a triangle are acute, the triangle is known as?

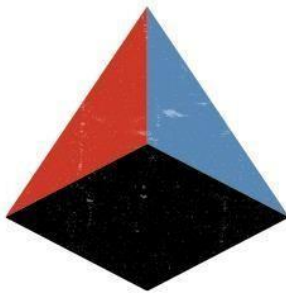


- A) Acute angled triangle
- B) Obtuse angled triangle
- C) Right angled triangle
- D) None of the above

32. Find the number of sides of a polygon if the sum of measure of interior angle is 1440 degrees?

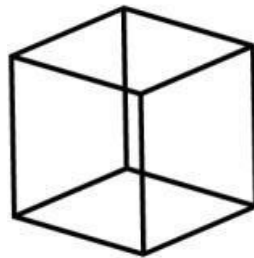
- A) 12
- B) 11
- C) 10
- D) 9

33. How many vertices these shapes have?



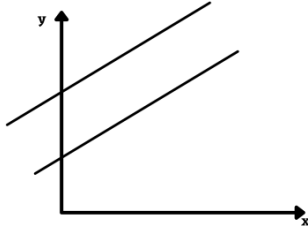
- A) 8
- B) 6
- C) 12
- D) 5

34. How many faces do these figures have?



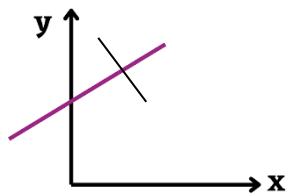
- A) 8
- B) 6
- C) 12
- D) 5

35. What are these lines called?



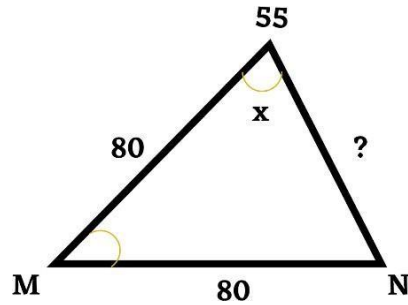
- A) Parallel
- B) Coincident
- C) Intersecting
- D) None of these

36. What do these lines are called?



- A) Parallel
- B) Coincident
- C) Intersecting
- D) None of these.

37. Find X from a given figure?



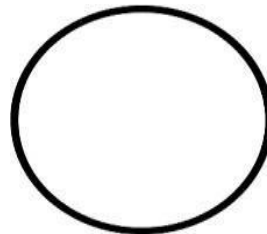
- A)  $70^\circ$
- B)  $45^\circ$
- C)  $90^\circ$
- D)  $120^\circ$

38. Perimeter of the square shaped office room is 160 m. find side?

- A) 40
- B) 47
- C) 45
- D) 49

39. Which type of curve is it?

- A) Open ended
- B) Closed ended
- C) Both of the above
- D) Can't say



40. Which type of curve is this?

- A) Open ended
- B) Closed ended
- C) Both of the above
- D) Can't say

41. Is the product of any two odd numbers even or odd?

- A) Even
- B) Odd
- C) It can be either even or odd
- D) It depends on the specific numbers

42. What is the Roman numeral for 500?

- A) D
- B) C
- C) L
- D) M

43. Find the Highest Common Factor (HCF) of 36 and 48.?

- A) 6
- B) 12
- C) 24
- D) 18

44. If it takes 8 hours to paint a fence, how many hours will it take to paint 4 identical fences??

- A) 8 hours
- B) 16 hours
- C) 4 hours
- D) 32 hours

45. How many minutes are there in 3 hours and 45 minutes?

- A) 165 minutes
- B) 225 minutes
- C) 180 minutes
- D) 195 minutes

46. If you spend 2 hours and 30 minutes on homework and 1 hour and 15 minutes on sports, how many hours and minutes did you spend in total?

- A) 3 hours 45 minutes
- B) 3 hours 15 minutes
- C) 3 hours 30 minutes
- D) 4 hours

47. How many vertices does a triangular pyramid have?

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

48. Which of the following is an example of a convex polygon?

- A) Triangle
- B) Pentagon
- C) Star
- D) Hexagon

**Look at the following schedule and answer the questions (49. TO 54.)**

49. How long does it take to get from Daniel's home to his school?



Danniel's Route
Home : 10:35 am
School : 11:20 am
Garden : 11:55 am
Hotel : 12:00 pm

- A) 45 minutes
- B) 1 hour
- C) 1 hour 30 minutes
- D) 40 minutes

50. How long does it take to get from Daniel's home to garden?

- A) 10 minutes
- B) 1hour
- C) 1 hour 20 minutes
- D) 1 hour 30 minutes

51. How long does it take to get from Daniel's home to hotel?

- A) 1 hour 30 minutes
- B) 1 hour 15 minutes
- C) 1 hour
- D) 2 hour 10 minutes

52. How long does it take to get from the hotel to his school?

- A) 45 minutes
- B) 1 hour
- C) 1 hour 30 minutes
- D) 1 hour 25 minutes

53. How long does it take to get from school to garden?

- A) 1h 30 m
- B) 35 minutes
- C) 45 minutes
- D) 1 hour

54. How long does it take to get from the garden to the hotel?

- A) 45 minutes
- B) 1hour
- C) 1 hour 30 minutes
- D) 50 minutes

Look at the following schedule and answer?

55. Joanna got bus at city mall at 1.00 pm what time will she reach to college road?

Bus Schedule			
City Mall	12:00	12:55	01:00
Collage Road	12:45	01:30	1:45
Hotel Ground Place	01:30	02:15	02:30
Shopping Street	02:30	03:15	03:30
cricket Club	03:15	04:00	04:15
Home	4:15	05:00	05:15

- A) 1.00 pm
- B) 1.45 pm
- C) 2.30 pm
- D) 2.00 pm

56. Joanna got bus at college road at 1.45 pm what time will she reach to hotel Grand palace?

- A) 2.30 pm
- B) 1.00 pm
- C) 1.45 pm
- D) 4.00 pm

57. Joanna got bus at hotel grand palace at 2.15 pm what time will she reach to Shopping Street?

- A) 1.00 pm
- B) 1.45 pm
- C) 3.15 pm
- D) 4.00 pm

58. Joanna got bus at shopping street at 3.15 pm what time will she reach to Cricket Club?

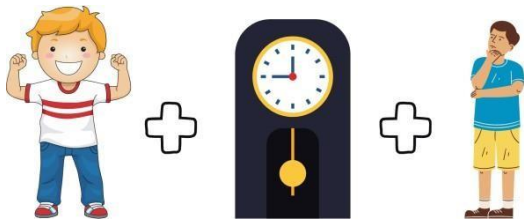
- A) 1.00 pm      B) 1.45 PM      C) 2.05PM      D) 4.00 PM



59. Joanna got on the bus at the cricket club at 4.15 pm what time will she reach home?

- A) 4.00 pm
- B) 5.15 pm
- C) 1.00 pm
- D) 1.45 pm

60. Write 17:30 as 12 hour time?



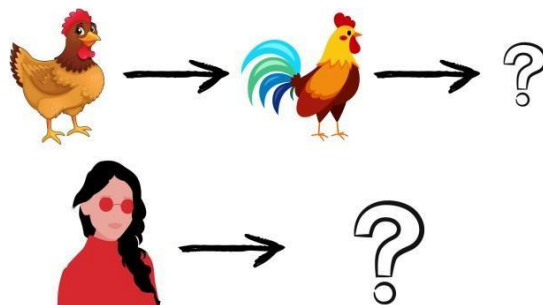
- A) 02:30
- B) 05:30
- C) 04:30
- D) 07:30

61. Sum of 2 numbers is 100, if the smaller number is 45 what is greater?

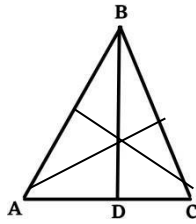
- A) 55
- B) 50
- C) 100
- D) 53

62. If HEN: COCK:: WOMAN: .....?

- A) WOMEN
- B) WOMAN
- C) MAN
- D) MEN

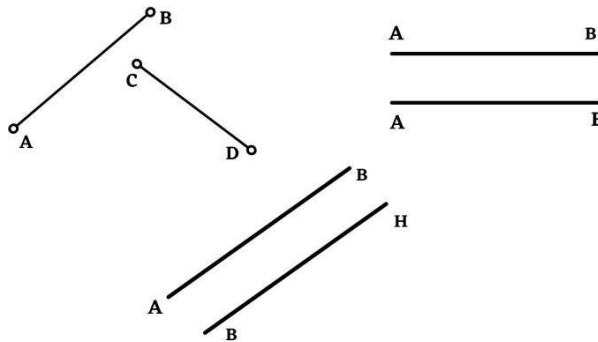


63. What is the point intersection of angle bisectors of a triangle called?



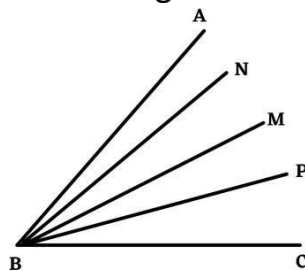
- A) Incentre      B) Circumcenter      C) Concurrent      D) None of the above

64. Choose the correct pair showing congruent line segments?



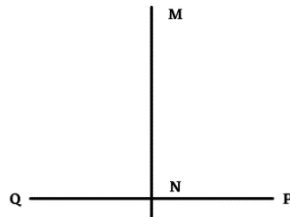
- A) Seg AB and Seg DC  
 B) Seg AB and Seg AE  
 C) Seg AB and Seg BH  
 D) All of the above

65. Which is angle bisector of angle ABC?



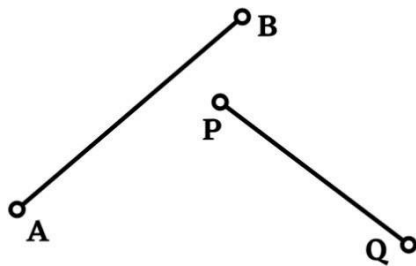
- A) Ray BA  
 B) Ray BN  
 C) Ray BM  
 D) Ray BP

66. Which Ray is the perpendicular bisector?



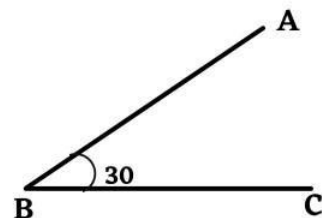
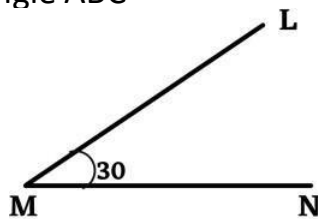
- A) MN      B) QN      C) NP      D) None of the above

67. Segment AB is ..... with segment PQ?



- A) Concurrent  
 B) Congruent  
 C) Both of the above  
 D) None of these

68. Angle LMN is ..... With angle ABC



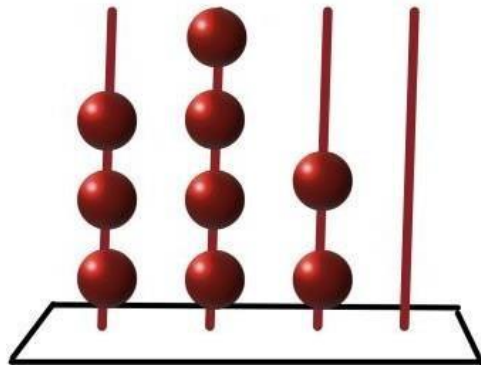
- A) Concurrent  
 B) Congruent  
 C) Both of the above  
 D) None of these

69. Which is the angle formed between 2 blades of scissors?



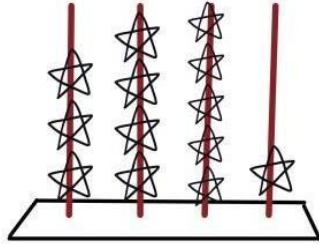
- A) Right
- B) Acute
- C) Obtuse
- D) None of these

70. Look at symbol, write the number.



- A) 4320
- B) 4230
- C) 3420
- D) None of the above

71. Look at symbol, write the number.



A) . 5438

B) 8345

C)4385

D)3451

72. What is Time shown in the clock?



A) Half past two

B) Quarter to two

C) Quarter past two

D) Quarter to three

73. What is time shown?



A) . Half past two

B) Quarter to two

C) Quarter past two

D) Half past two

74. How many days are there in August?

- A) 30
- B) 31
- C) 28
- D) 29

75. Which date falls on Friday?

- A) 1<sup>st</sup> August
- B) 8<sup>th</sup> August
- C) 15<sup>th</sup> August
- D) All of the above

76. In August which day occurs 5 times?

- A) Sunday
- B) Friday
- C) Saturday
- D) All of above

77. How many days pass before the same day of week is repeated?

- A) 6
- B) 7
- C) 5
- D) 4

78. How many Sundays do this month have?

- A) 4
- B) 5
- C) 3
- D) Can't say

79. Which number will form from a given figure?



- A)  $1\frac{1}{4}$
- B)  $\frac{3}{2}$
- C)  $1\frac{1}{3}$
- D) Can't say

80. Which number is less by 100 than 2000?

- A) 1990
- B) 1900
- C) 2100
- D) 900

81. Cost of 1 pen is 35. What is the cost of 5 dozen pens?

- A)  $35 \times 5 \times 24$
- B)  $35 \times 5 \times 60$
- C)  $35 \times 5 \times 12$
- D)  $35 \times 5 \times 18$

82. Find missing number?

- A) 30
- B) 9
- C) 10
- D) 15

<b>2</b>	<b>3</b>	<b>4</b>
<b>4</b>	<b>6</b>	<b>8</b>
<b>6</b>	<b>?</b>	<b>12</b>

83. Write the number 64,821 in words?

- A) Sixty-four thousand eight hundred twenty-one
- B) Six hundred forty-two thousand eighty-one
- C) Sixty-four thousand eight hundred twelve
- D) Six hundred forty-eight thousand twenty-one

84. Write the correct answer.

$$\text{Banana} + \text{Banana} = 30$$

$$\text{Apple} + \text{Apple} = 20$$

$$\text{Orange} + \text{Orange} = 40$$

$$\text{Banana} + \text{Apple} + \text{Orange} = ?$$

- A)45
- B)60
- C)40
- D)30

Answer the following questions by referring the diagram given below.(85 to 87)





85. How many stars are in a triangle but not in a rectangle?

- A) 1
- B) 5
- C) 6
- D) 7

86. How many stars are common in all figures?

- A) 4
- B) 5
- C) 1
- D) 7

87. How many stars lie in a circle but not in a triangle?

- A) 4
- B) 5
- C) 6
- D) 7

88. Kristina's sister is playing with blocks. She wants to put all 50 of her blocks into stacks with 2 same number of blocking each sack. How many blocks she put in each stack?

- A) 0
- B) 5
- C) 10
- D) 25

89. Daniel arranged 250 books into 50 even piles. How many books did Daniel put?

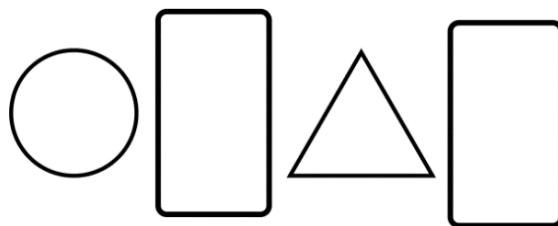
- A) 10
- B) 5
- C) 25
- D) 50

90. John wants to purchase 1500 bars of soap. If soap comes in packs of 5, how many packs should he buy?

- A) 5
- B) 300
- C) 30
- D) 3

91. Joanna walked to school 360 km in the last 9days. She walks the same distance every day. How many km did she walkevery day?

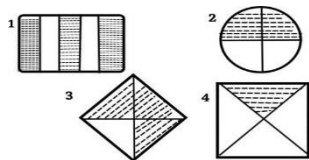
- A) 40
- B) 30
- C) 20
- D) 10



92. What fraction of shapes are rectangles?

- A) 0
- B)  $\frac{1}{3}$
- C)  $\frac{1}{2}$
- D)  $\frac{3}{4}$

Answer the following questions by referring the diagram given below.  
(93 to 96 )



93. Which shape shows fraction  $\frac{3}{5}$ ?

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

94. Which shape shows fraction  $\frac{2}{4}$ ?

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

95. Which shape shows fraction  $\frac{3}{4}$ ?

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

96. Which shape shows fraction  $\frac{1}{4}$ ?

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

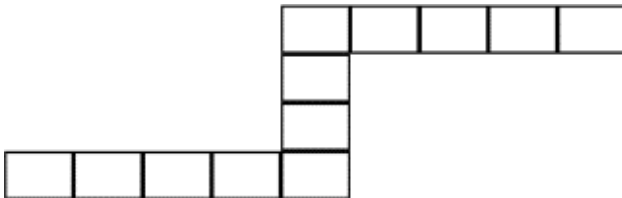
97. Each side of square is 20-meter-long, what is the area?

- A) 400
- B) 80
- C) 20
- D) 300

98. Side of rectangular ground is 25 meters long and 20 meters wide, what is the area?

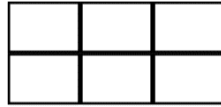
- A) 300 sq m
- B) 400 sq m
- C) 500sq m
- D) None of the above

99. This shape is made up of unit squares. What is the area?



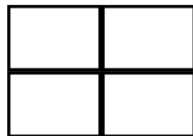
- A) 12
- B) 13
- C) 14
- D) None of the above

100. This shape is made up of squares having side 16 cm. What is the area of given diagram?



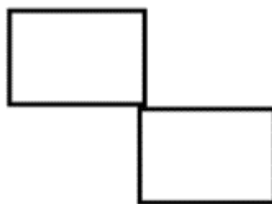
- A) 98
- B) 97
- C) 96
- D) None of the above

101. This shape is made up of 2 unit squares. What is the area?



- A) 8
- B) 7
- C) 6
- D) None of the above

102. This shape is made up of 3 unit squares. What is the area?



- A) 8
- B) 7
- C) 6
- D) None of the above

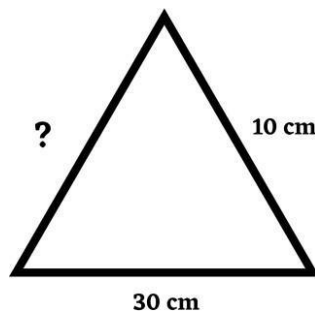
103. A square shaped backer is 25-meter-long, baker wants to put Wooden shelf inside bakery which costs \$561 per meter. What a baker willcost?

- A) \$56,100
- B) \$35,000
- C) \$62,500
- D) \$35,000

104. Dining room is 6 m wide and 8 m long. Room owner wants to install wood trim around the room. Trim costs \$56.8 per meter. How much will it cost?

- A) \$213.4
- B) \$272.6
- C) \$200.0
- D) \$1589.6

105. Perimeter of the shape is 45 units, find the missing side?



- A) 5cm
- B)10 cm
- C)15 cm
- D)20 cm

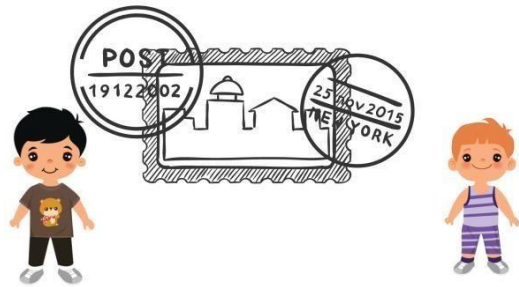
106. Which zoo ticket costs you less?

- A) A
- B) B
- C) C
- D) D

ZOO 4 Types	
ZOO A	Ticket \$ 3950
ZOO B	Ticket \$ 3949
ZOO C	Ticket \$ 3985
ZOO D	Ticket \$ 3987

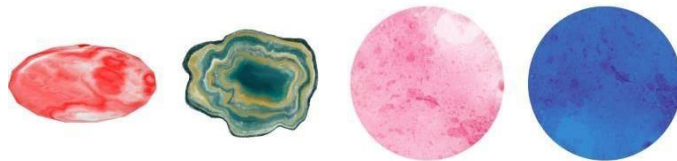


111. Anny has 90 stamps; he has 5 times as many stamps as Bunny Have. How many stamps must Anny give to Bunny so that they both have thesame number of stamps?



- A) 18                      B) 72                      C)56                      D)53

112. A box contains 350 blue marbles, 508 red marbles. 109 green 2 Marbles are drawn from the box 500 pink marbles added to it. How manymarbles are there in the box now?



- A) 1247                      B) 1465                      C) 1250                      D) 1248

113. If jenny went to picnic on 17th July for 6 days, on which day will she return home?

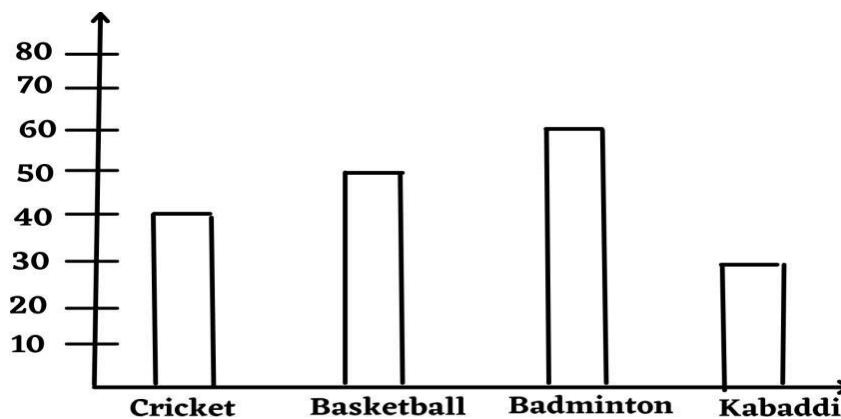
- A) 22                      B)23                      C)24                      D)25



114. I bought 20 apples, each apple weighing 100 grams. If the price for apple was \$ 7.5 per kilogram. How much did I pay?

- A)\$100      B)\$15      C)\$7.5      D)\$20

**Group of kids voted for their favorite sport; answer the questions (115. To118.)**



115. Which game got most votes?

- A) cricket      B) kabaddi      C) basketball      D) badminton

116. How many less votes did cricket have than basketball?

- A) 12      B)14      C)10      D)25

117. How many votes were cast by all the kids?

- A) 200    B)180    C)20    D)230

118. Which game do kids not like at all?

- A) Cricket      B) Kabbadi  
C) Basketball      D) Badminton

119. Arrange the numbers 4,537, 4,752, and 4,325 in descending order ?

- A) 4,752, 4,537, 4,325
- B) 4,752, 4,325, 4,537
- C) 4,325, 4,537, 4,752
- D) 4,325, 4,752, 4,537

120. Calculate the difference between XXI and XCVI in Roman numerals?

- A) LXXV
- B) LXXIV
- C) XIX
- D) CXLVII

121. If a car travels 360 miles in 4 hours, how far can it travel in 7 hours?

- A) 252 miles
- B) 520 miles
- C) 630 miles
- D) 840 miles

122. If you spend 2 hours and 45 minutes on homework and 1 hour and 30 minutes on sports, how many minutes did you spend in total?

- A) 255 minutes
- B) 270 minutes
- C) 135 minutes
- D) 165 minutes

123. Which is larger: 3 meters or 300 centimeters?

- A) 3 meters
- B) 300 centimetres
- C) They are the same length
- D) Cannot be determined

124. If it takes 5 workers 6 hours to build a wall, how long will it take 8 workers to build the same wall?

- A) 3 hours
- B) 7 hours
- C) 9 hours
- D) 10 hours

125. If a box of 20 pens costs \$8, and another box of 30 pens costs \$12, which box has a better unit price ?

- A) 20-pen box
- B) 30-pen box
- C) Both have the same unit price
- D) Cannot be determined

## ● ANSWER KEY

QUESTION NO.	ANSWER
1	A
2	B
3	B
4	A
5	A
6	B
7	B
8	B
9	D
10	A
11	D
12	D
13	B
14	D
15	A
16	A
17	A
18	C
19	A
20	C
21	A
22	A
23	C
24	B
25	B
26	A
27	A
28	C
29	A
30	A
31	A
32	C
33	D
34	B
35	A
36	C
37	B
38	A
39	B
40	A

QUESTION NO.	ANSWER
41	B
42	D
43	B
44	B
45	B
46	A
47	B
48	B
49	A
50	C
51	D
52	D
53	B
54	D
55	B
56	A
57	C
58	D
59	B
60	A
61	A
62	C
63	A
64	B
65	C
66	A
67	B
68	B
69	B
70	C
71	D
72	A
73	B
74	B
75	D
76	D
77	B
78	B
79	B
80	B

## ANSWER KEY

QUESTION NO.	ANSWER
81	B
82	B
83	A
84	A
85	A
86	A
87	A
88	D
89	B
90	B
91	A
92	C
93	A
94	B
95	C
96	D
97	A
98	C
99	A
100	C
101	A
102	C
103	A
104	D
105	A
106	B
107	A
108	A
109	A
110	B
111	B
112	B
113	B
114	B
115	D
116	C
117	B
118	B
119	A
120	B

QUESTION NO.	ANSWER
121	C
122	A
123	C
124	A
125	C

