



CREST Mental Maths Olympiad (CMMO)

Previous Year Paper

Class 1

Time Allowed: 60 minutes

Maximum Marks: 80

- There are a total of **60 questions** in this booklet comprising **2 sections** namely the **Basique and Avance** consisting of **40 questions (1 mark each) & 20 questions (6 marks each)**, respectively.
- There is **only ONE correct option** to a given question.
- No candidate is allowed to carry any textual material, printed or written, bits of paper, any electronic device, etc. inside the examination hall.
- The use of unfair means may result in the cancellation of the exam. Any such instances may be reported at **+91-98182-94134** or **info@crestolympiads.com**

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

FILL IN THE DETAILS

Candidate Name: _____

Class: _____ Section: _____

CREST ID: _____

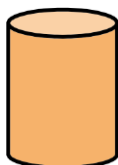
Basique (Each Question is 1 Mark)

1. Count the number of pencils.



- a. Eleven b. Twelve
c. Thirteen d. Fourteen

2. Identify the shape.



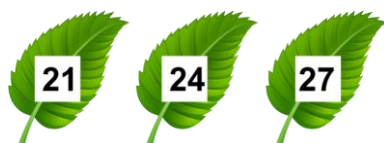
- a. Cube b. Cuboid
c. Cone d. Cylinder

3. Fill in the blank.



- a. b.
c. d.

4. Fill in the blank.
The numbers on the leaves are multiples of ____.



- a. 2 b. 3
c. 5 d. 10

5. Max played for an hour in the park. If he reached the park at 5:00 p.m., at what time did he leave the park?

- a. 4:00 p.m. b. 6:00 p.m.
c. 7:00 p.m. d. 8:00 p.m.

6. What is the successor of "Fifty-nine"?

- a. 49 b. 58
c. 60 d. 61

7. Which of the following depicts the total number of bananas in the picture?



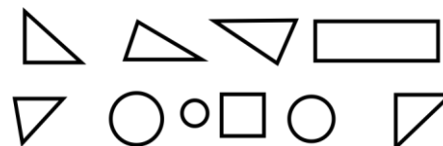
- a. $3 + 3 + 3$
b. $3 + 3 + 3 + 3 + 3$
c. $3 + 3 + 3 + 3 + 3 + 3$
d. $3 + 3 + 3 + 3$

8. How many fish should be in each tank if they are equally divided?



- a. 2 b. 3
c. 4 d. 5

9. How many triangles are there?



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

10. Fill in the blank.
Half of 22 = ____.

- a. 8 b. 9
c. 10 d. 11

11. Which of the following statements is correct?

- a. $34 < 43$ b. $56 > 65$
c. $47 < 39$ d. $62 > 71$

12. How many minutes make an hour?

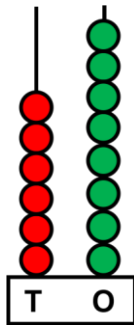
- a. 7
- b. 12
- c. 24
- d. 60

13. What is the total amount of money shown here?



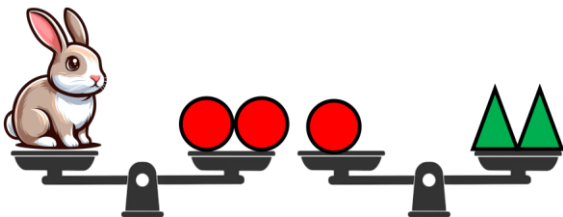
- a. 3 cents
- b. 4 cents
- c. 8 cents
- d. 20 cents

14. What is the number formed on the abacus if the number of beads in the tens and ones place are interchanged?



- a. 68
- b. 69
- c. 86
- d. 89

15. What is the weight of the rabbit?



- a.
- b.
- c.
- d.

16. What will be the next purse in the series?



- a.
- b.
- c.
- d.

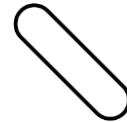
17. What will be the product of



- a. 13
- b. 35
- c. 42
- d. 48

18. Fill in the blank.

The given shape is made up of _____.



- a. one curved line
- b. two curved lines
- c. one curved line and two slant lines
- d. two curved lines and two slant lines

19. Dinner will be served at the time shown on the clock. At what time will the dinner be served?



- a. 8:00 a.m.
- b. 9:00 a.m.
- c. 8:00 p.m.
- d. 9:00 p.m.

20. What is the next multiple of 5 after 15?

- a. 10
- b. 20
- c. 25
- d. 30

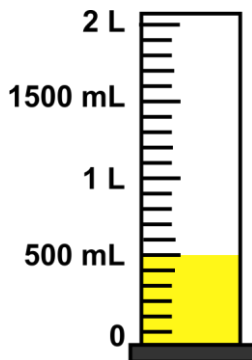
21. What should be subtracted from 62 to obtain 29?

- a. 33
- b. 34
- c. 43
- d. 44

22. A bucket holds 17 L of water. Ryan takes 9 L of water from the bucket for bathing. How much water is left in the bucket?

- a. 7 L
- b. 8 L
- c. 9 L
- d. 10 L

23. How much amount of liquid is there in the graduated cylinder?



- a. 400 mL
- b. 500 mL
- c. 600 mL
- d. 700 mL

24. Which of the following shows the arrangement of the given objects in ascending order of their weights?



- a. Feather < Dice < Lamp
- b. Feather < Lamp < Dice
- c. Dice < Feather < Lamp
- d. Dice < Lamp < Feather

25. Fill in the blank.

There are five nests with ___ eggs in each.



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

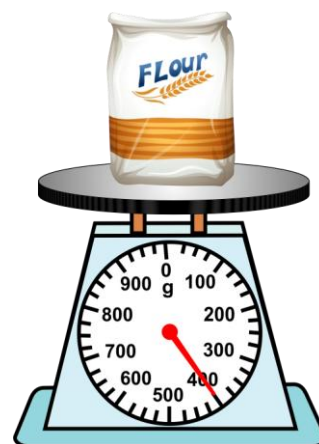
26. Which of the following will have all its faces in the shape of a square?

- a. Cuboid
- b. Cube
- c. Cone
- d. Cylinder

27. Tony bought a sack of rice weighing 35 kg. After a few days, the sack weighed 19 kg. How much rice was consumed?

- a. 16 kg
- b. 17 kg
- c. 26 kg
- d. 27 kg

28. What is the weight of the sack of flour?



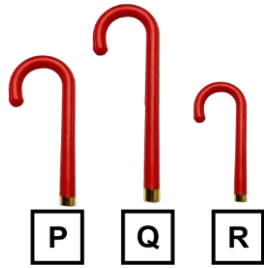
- a. 2 kg
- b. 3 kg
- c. 4 kg
- d. 5 kg

29. The clock shows the current time. It will be noon time in an hour. At what time will it be noon?



- a. 10 o'clock
- b. 11 o'clock
- c. 12 o'clock
- d. 1 o'clock

30. Which of the following statements is correct about the length of the sticks?



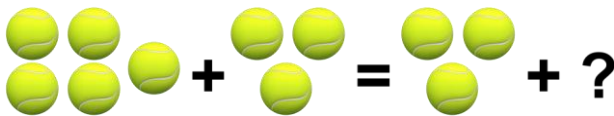
- a. $P < Q$ b. $Q < R$
 c. $R > P$ d. $R > Q$

31. How many total candles will be needed for 7 similar cakes if the same number of candles are put on each cake?



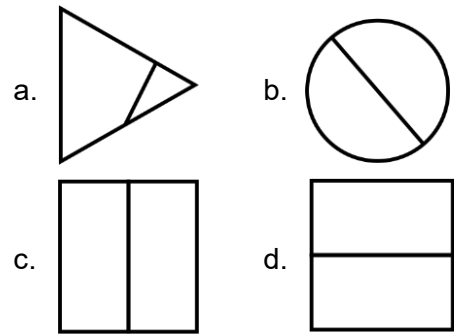
- a. $4 + 7 = 11$ b. $4 \times 7 = 21$
 c. $4 \times 7 = 28$ d. $4 \times 7 = 30$

32. Which of the following shows the correct number of balls that should come in place of the question mark?

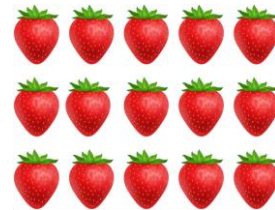


- a.
- b.
- c.
- d.

33. Which of the following images is NOT divided into two equal halves?

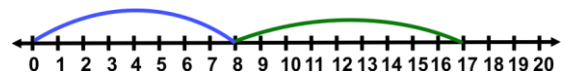


34. If Jack ate 9 strawberries, how many strawberries will be left?



- a. 6 b. 7
 c. 8 d. 9

35. Which of the given number statements depicts the number line?

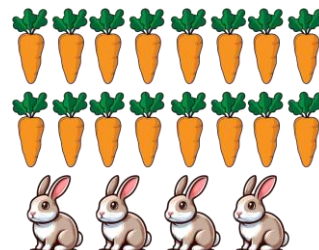


- a. $8 + 7 = 17$ b. $8 + 8 = 17$
 c. $9 + 7 = 17$ d. $8 + 9 = 17$

36. Sam had 23 candies. He ate 7. Which of the following number statements will give the number of candies left with Sam?

- a. $23 + 7 = 30$ b. $23 - 7 = 15$
 c. $23 - 7 = 16$ d. $23 - 7 = 17$

37. If the carrots are equally shared among the rabbits, how many carrots did each rabbit have?



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

38. Fill in the blank.

$$17 + \underline{\quad} = 38$$

- a. 11 b. 21
c. 22 d. 31

39. Find the value of Y.

$$\begin{array}{r} Y7 \\ +46 \\ \hline 73 \end{array}$$

- a. 1 b. 2
c. 3 d. 4

40. Fill in the blank.

$$71 - \underline{\quad} = 19 + 27$$

- a. 24 b. 25
c. 35 d. 36

Avance (Each Question is of 2 Marks)

41. How many triangles are there?



- a. 2 b. 6
c. 8 d. 10

42. Ryan weighs 19 kg more than James. If James weighs 24 kg, what is the weight of Ryan?

- a. 33 kg b. 42 kg
c. 43 kg d. 44 kg

43. Which of the following is NOT matched correctly?

a. 54 =

Tens	Ones
5	4

b. 37 =

Tens	Ones
3	7

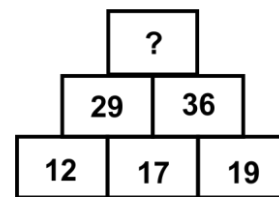
c. 61 =

Tens	Ones
6	1

d. 92 =

Tens	Ones
2	9

44. What will be the missing number on the pyramid?



- a. 55 b. 56
c. 65 d. 66

45. What is the sum of the place values of the underlined digits in the numbers 36 and 41?

- a. 10 b. 46
c. 64 d. 100

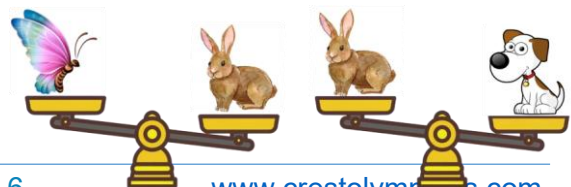
46. A rabbit hops on the number line starting from 0. It jumps from 0 to 2 and then from 2 to 4 in the next jump. At what number will it be after its fifth jump?

- a. At 8 b. At 9
c. At 10 d. At 12

47. Which of the following will have two circular faces at its ends?

- a. Cone b. Cylinder
c. Cube d. Cuboid

48. Which of the following shows the arrangement of the weights of the animals in descending order?



- a. Dog > Rabbit > Butterfly
- b. Dog > Butterfly > Rabbit
- c. Rabbit > Dog > Butterfly
- d. Butterfly > Rabbit > Dog

49. What is the shape of the butter?

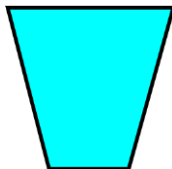


- a. Cube
- b. Cuboid
- c. Cone
- d. Cylinder

50. Sam went to the park at 5:00 p.m., played for an hour there and then went for half an hour to his friend's place to play before returning home. At what time did he return home?

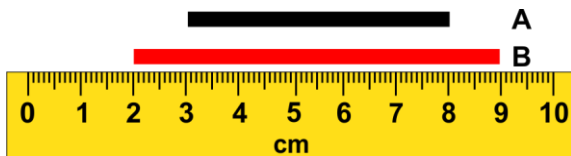
- a. 6:00 p.m.
- b. 6:30 p.m.
- c. 7:00 p.m.
- d. 7:30 p.m.

51. The capacity of the glass is 200 mL. If Jack drinks 120 mL of water, how much water is left in the glass?



- a. 60 mL
- b. 70 mL
- c. 80 mL
- d. 90 mL







52. How much longer is the line B than the line A?



- a. 2 cm
- b. 3 cm
- c. 4 cm
- d. 5 cm

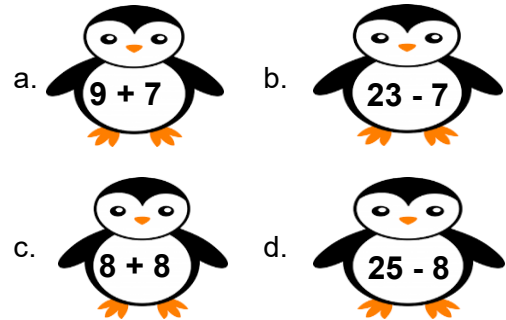
53. Fill in the blank.
17 - Half of 18 = ____

- a. 8
- b. 9
- c. 10
- d. 11

54. If  = 13,  = 16, and  = 24, what will be the value of  +  -  ?

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

55. Which of the following does NOT give the result 16?



56. Find the missing number on the circle.



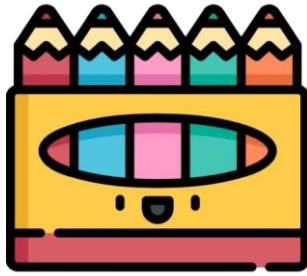
- a. 40
- b. 42
- c. 45
- d. 46

57. If the apples are equally divided in the basket, how many apples will be there in each basket?



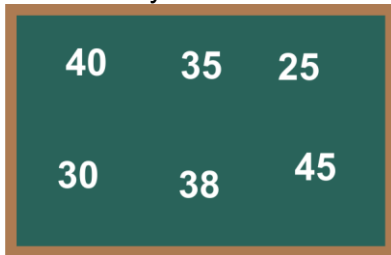
- a. 6
- b. 7
- c. 8
- d. 9

58. A company packs its pencils in packs of 5 as shown. How many packs will hold 40 pencils?



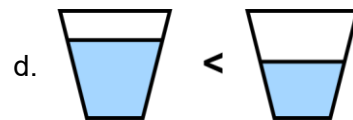
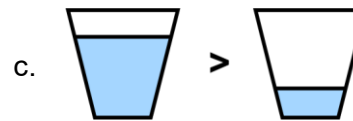
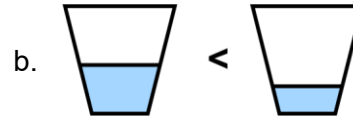
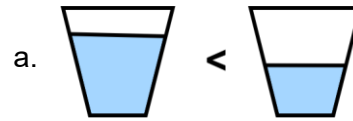
- a. 6 b. 7
c. 8 d. 9

59. The teacher wrote some multiples of 5 on the board. One number is NOT correct. Identify the incorrect number.



- a. 30 b. 35
c. 38 d. 40

60. Which of the following statements is correct regarding the amount of liquid in the container?



Answer Key

1.	b	2.	d	3.	b	4.	b	5.	b	6.	c	7.	d
8.	b	9.	c	10.	d	11.	a	12.	d	13.	b	14.	c
15.	c	16.	b	17.	c	18.	a	19.	c	20.	b	21.	a
22.	b	23.	b	24.	a	25.	c	26.	b	27.	a	28.	b
29.	c	30.	a	31.	c	32.	c	33.	a	34.	a	35.	d
36.	c	37.	b	38.	d	39.	b	40.	b	41.	d	42.	c
43.	d	44.	c	45.	b	46.	c	47.	b	48.	a	49.	b
50.	b	51.	c	52.	a	53.	a	54.	b	55.	d	56.	c
57.	c	58.	c	59.	c	60.	c						