CREST Mathematics Olympiad (CMO)

Previous Year Paper

Class 2 (Set - A)

Time Allowed: 1 hour   **Maximum Marks: 45**

- Additional **10 minutes** will be allotted to fill up information on the OMR Sheet, before the start of the exam.
- Fill in all the mandatory fields clearly on the OMR Sheet.
- There are a total of **35 questions** in this booklet comprising **2 sections** namely the **Practical Mathematics & Achievers' Section** consisting of **25 questions (1 mark each) & 10 questions (2 marks each)** respectively.
- There is no negative marking. The use of a calculator is not permitted.
- There is **only ONE correct option** to a given question.
- Use **HB Pencil / Ball point pen (Blue / Black) only** for marking the correct choice of answers on the OMR Sheet.
- Rough work is to be done in the space provided in the test booklet. An extra plain sheet may be provided by the school for the rough work.
- The OMR Sheet will be handed over to the invigilator at the end of the exam.
- No candidate is allowed to carry any textual material, printed or written, bits of paper, any electronic device, digital watches, etc. inside the examination hall.
- The use of unfair means may result in the cancellation of the exam. Any such instances must be reported at **+91-98182-94134** or **info@crestolympiads.com**

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO
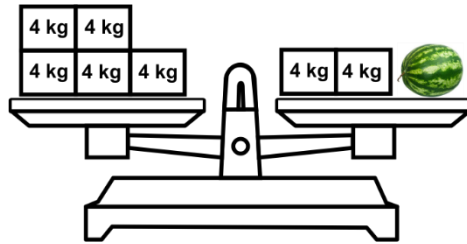
FILL IN THE DETAILS

Candidate Name: _____
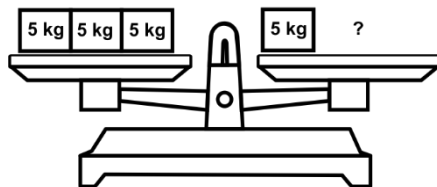
Class: _____ Section: _____

CREST ID: _____

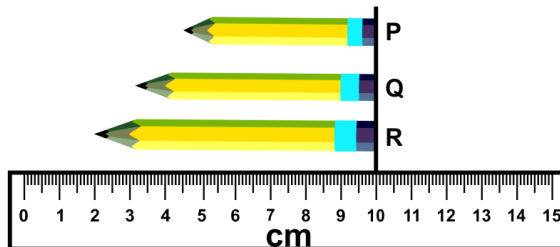**1.** What is the weight of a watermelon?

- a. 8 kg
- b. 10 kg
- c. 11 kg
- d. 12 kg

2. How many balls of weight 2 kg each should come on the right-hand side of the balance?

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

3. Arrange the pencils in ascending order of their lengths:

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

4. Complete the following series:
197, 199, 202, 206, 211, _____

- a. 216
- b. 218
- c. 217
- d. 219

5. Fill in the blanks:
956 = _____ tens ____ ones

- a. 9, 6
- b. 9, 56
- c. 90, 6
- d. 95, 6

6. Bruce's exam started on the second Wednesday of April and ended on the last Friday of April. For how many days did his exams last?
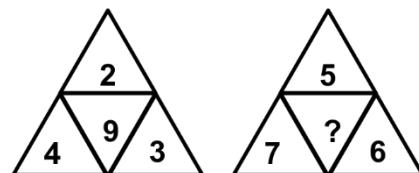

- a. 15
- b. 16
- c. 17
- d. 18

7. Alice bought 3 notebooks, 2 pencils and a set of crayons. If the cost of a notebook is 50 cents, the cost of a pencil is 20 cents and the cost of a set of crayons is 120 cents, then how much money will she have to pay?

- a. 270 cents
- b. 310 cents
- c. 280 cents
- d. 340 cents

8. Which number will replace '?' in the question given below?
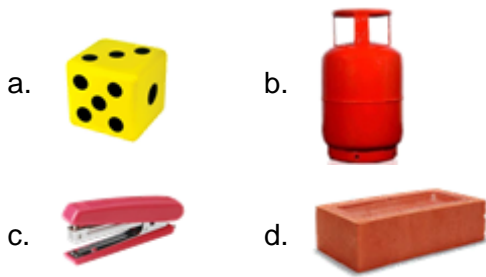

- a. 18
- b. 16
- c. 17
- d. 19

9. Find the value of X if:

$$\begin{array}{r} 7\,X\,4 \\ -\,4\,5\,7 \\ \hline 3\,1\,7 \end{array}$$

- a. 7
- b. 6
- c. 8
- d. 5

10. Which of these objects closely resembles a cube?

a.
b.

c.
d.

a. 50ºC   b. 45ºC
c. 25ºC   d. 35ºC

14. Sia cycled 785 m. Her brother cycled 132 m less than her. How much did her brother cycle?

a. 653 m   b. 635 m
c. 745 m   d. 820 m

11. If the position of P and T is interchanged, then who is fifth from the left?

Left   P   Q   R   S   T   U   V

a. P   b. Q
c. T   d. R

15. Siel spends 1 hour and 20 minutes in the park every evening. He reaches the park at 5:15 PM. When does he leave the park?

a. 6:20 PM   b. 6:25 PM
c. 6:35 PM   d. 6:30 PM

16. Robert started his homework at 7:00 PM and did it for 25 minutes. He took a break for 15 minutes and resumed his homework. He completed his homework in the next 20 minutes. At what time did he complete his homework?

a. 8:00 AM   b. 8:00 PM
c. 8:10 PM   d. 7:50 AM

12. Based on the image given below answer the following question:
How many more children prefer Disney over Comedy?

| Pogo | Disney | Baby | Comedy |

Each 🟡 stands for 10 children

a. 20   b. 30
c. 10   d. 40

17. How many triangles are there in the picture given below?

a. 8   b. 7
c. 9   d. 6
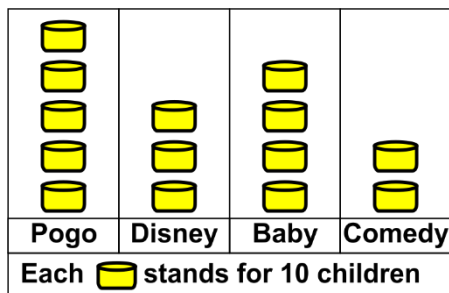
13. What is the temperature shown in the thermometer?

18. If positions of P and U are interchanged, then which flower will be second from the right?

Left

a. P   b. U
c. T   d. Q

19. Which of these represents 7 hundreds 4 ones?

 a. 74 b. 704
 c. 740 d. 407

20. Merry buys a storybook for 50 cents for her son. Since her son liked the book, she decided to buy 4 more of these books for his friends. How much money did she spend on buying books for his friends?

 a. 250 cents b. 200 cents
 c. 150 cents d. 300 cents

21. The shape with exactly four sides and all sides are equal is _____

 a. Circle b. Rectangle
 c. Square d. Pentagon

22. Alexa went to donate some money to an NGO. She donated $8,599 and still had $5,901 left. Find the total amount that she had with her before donating it to an NGO:

 a. $15,000 b. $13,750
 c. $12,800 d. $14,500

23. Serena currently has 105 stickers. She uses 23 stickers. Serena has how many stickers now?

 a. 80 b. 82
 c. 78 d. 75

24. Dora received 23 water paint colours, and Nora gave Dora 12 water paint colours. Dora now has how many different types of water paint?

 a. 32 b. 35
 c. 37 d. 40

25. What is the temperature if it is 5°C and rises by 4°C?

 a. 5°C b. 8°C
 c. 9°C d. 10°C

Achievers' Section (Each Question is 2 Marks)

26. Which one of these is the greatest?

 a. 7 hundreds 4 tens - 4 hundreds 15 tens
 b. 4 hundreds 3 tens + 2 hundreds 17 tens
 c. 5 hundreds 4 tens - 2 hundreds 4 tens
 d. 6 hundreds 14 tens - 2 hundreds 7 tens

27. Look at the image carefully and arrange it in increasing order of their weights:

 a. Green > Red > Pink
 b. Red > Green > Pink
 c. Pink < Red < Green
 d. Green < Red < Pink

28. Which number will replace '?' in the question given below?

285 - 164 + ? = 365 - 120 + 220

 a. 334 b. 344
 c. 385 d. 376

29. Robert's Father has Saturdays and Sundays off. His office took employees for a picnic on the second Thursday of the month and gave them a holiday the day after the picnic. How many

holidays did Robert's father get this month?

a. 5 b. 7
c. 9 d. 11

30. Lucy gifts a tic-tac-toe toy worth 70 cents as a return gift for her birthday party. If she has invited 7 friends and gifts one return gift to each friend, how much money did she spend on the return gift?
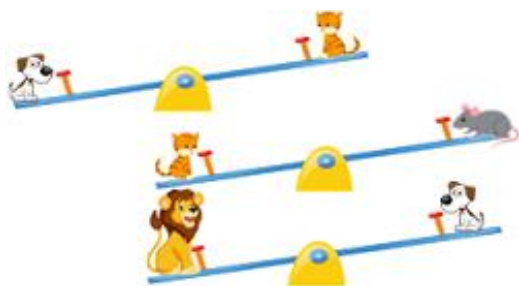
a. 280 cents b. 350 cents
c. 490 cents d. 520 cents

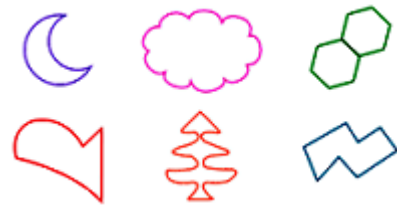31. Which of the following geometrical shapes have been used to make the picture given below?

a. Triangle b. Rectangle
c. Circle d. All of these

32. Who is the lightest?

a. Mouse b. Cat
c. Dog d. Lion

33. How many closed figures are there in the picture?

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

34. Mercy began collecting leaves in the park and ended up with 356 leaves. Her leaves blew away in the wind. She now has 112 leaves left. How many of her leaves did she lose?

a. 244 b. 224
c. 245 d. 227

35. Peter is a painter; he wants to sell his paintings. How many paintings did he sell in March?

a. 4 b. 10
c. 15 d. 20

Answer Key

1.	d	2.	d	3.	c	4.	c	5.	d	6.	c	7.	b
8.	a	9.	a	10.	a	11.	a	12.	c	13.	d	14.	a
15.	c	16.	b	17.	a	18.	a	19.	b	20.	b	21.	c
22.	d	23.	b	24.	b	25.	c	26.	b	27.	d	28.	b
29.	c	30.	c	31.	d	32.	a	33.	d	34.	a	35.	d