



CREST Mathematics Olympiad (CMO)

Previous Year Paper

Class 1 (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 is to 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: _____

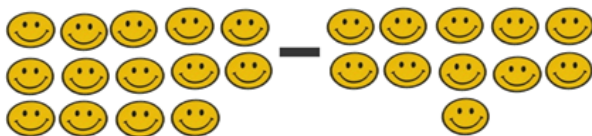
Practical Mathematics (Each Question is 1 Mark)

1. Which of these can be bought for exactly 50 cents?



- Noodles and French Fries
- Ice cream and Burger
- Ice cream and French Fries
- Burger and French Fries

2. Look at the image and subtract:



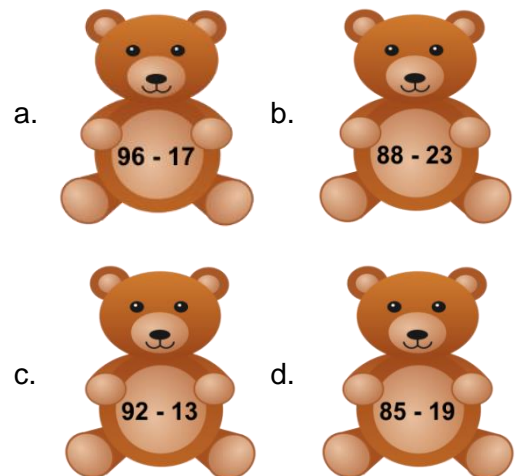
- Two smiley faces
- Three smiley faces
- Five smiley faces
- Four smiley faces

3. How many more circles are there than triangles?



- 1
- 2
- 3
- 4

4. Which of these has the lowest value?

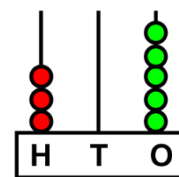


5. Which figure will come in the place of "?"?



- A blue square
- A blue circle
- A blue triangle
- A blue rectangle

6. What is the number represented in the abacus?



- Thirty-five
- Three hundred and five
- Three hundred and fifty
- Fifty-three

7. Which of the items can be bought for exactly 35 cents?



- a. Pencil and eraser
- b. Sharpener and Eraser
- c. Sharpener and pencil box
- d. Pencil box and eraser

8. How many triangles are there in the picture?



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

9. Roe is taller than Amy by 33 cm. If Roe's height is 128 cm, then what is Amy's height?

- a. 105 cm
- b. 85 cm
- c. 95 cm
- d. 161 cm

10. Fill in the blank:
 $23 + \underline{\quad} = 42$

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

11. Fill in the blank:
 The expanded form of 674 is

- a. $670 + 4$
- b. $600 + 74$
- c. $6 + 7 + 4$
- d. $600 + 70 + 4$

12. Samy has 135 cents with her but the doll she wants to buy costs 185 cents. How much more money does she need?

- a. 45 cents
- b. 50 cents
- c. 55 cents
- d. 40 cents

13. Albert weighs 7 kg more than his brother Liam who weighs 18 kg. What is their weight altogether?

- a. 43 kg
- b. 25 kg
- c. 23 kg
- d. 41 kg

14. Find the number of triangles in the figure:

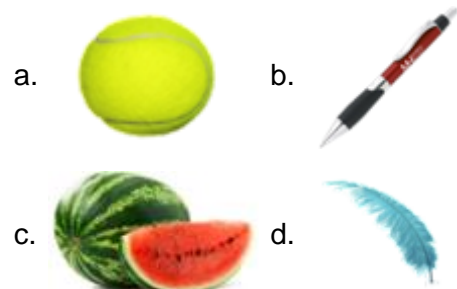


- a. 6
- b. 5
- c. 4
- d. 3

15. What is Arv's height if he is 17 cm taller than his friend Albek who is 153 cm tall?

- a. 135 cm
- b. 136 cm
- c. 160 cm
- d. 170 cm

16. Which of these objects is the heaviest?

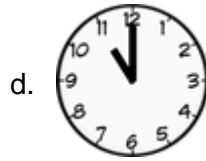


17. Fill in the blank:
 32, 29, 26, _____, 20

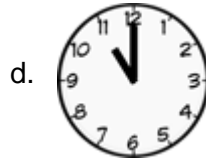
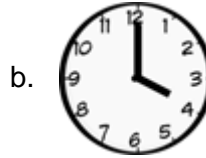
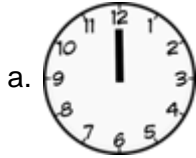
- a. 23
- b. 24
- c. 27
- d. 25

18. What will be the time after 2 hours as shown in the clock given below?





19. At what time does Alice brush in the morning?



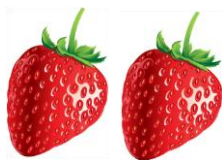
20. Hansel has 10 chocolates with her, of which she has given five to her friends. What number of chocolates is still with her?

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

21. Diana went to a fruit shop to buy some fruits. She bought 12 different kinds, but two kinds of them were rotting. How many different fruit kinds are fresh?

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

22. Sirel has three groups of two strawberries each. How many strawberries does she have in total?



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

23. Rebecca went to the stationery store and bought some pencils. She organised it into groups by using a pencil stand. How many pencil groups are there?



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

24. Rebecca went to the stationery store and bought some pencils. She organised it into groups by using a pencil stand. How many pencils are there in total?



- a. 8 b. 10
c. 12 d. 14

25. Fill the missing numbers:
5, 7, 9, __, 13, __, 17.

- a. 11, 14 b. 11, 15
c. 10, 14 d. 10, 15

Achievers' Section (Each Question is 2 Marks)

26. The time taken by train A to travel between two stations is 8 hours 30 minutes. The time taken by train B to travel between the same stations is 10 hours. Which train took more time and by how much?

- a. A, 2 hours 30 minutes
b. A, 1 hour 30 minutes
c. B, 2 hours 30 minutes
d. B, 1 hour 30 minutes

27. A tailor has 50 m of cloth. For one pant, he requires 4 m of the cloth. After making 5 pants, how many clothes will be left with him?

- a. 30 m b. 25 m
c. 20 m d. 15 m

28. Find $X + Y$ when:

$$\begin{array}{r} 9Y \\ -X4 \\ \hline 33 \end{array}$$

- a. 6 b. 7
c. 13 d. 12

29. Sam goes to a park at 5 p.m. and comes back home at 7 p.m. He then studies till his dinner is served at 8:30 p.m. How much time did he study?

- a. 1 hour 30 minutes
b. 2 hours
c. 2 hours 30 minutes
d. 3 hours

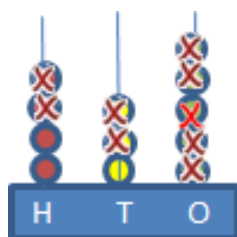
30. Fill in the blanks:

Anna needs _____ 10 cent coins and _____ 2 cent coins respectively to buy the given object.



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

31. What is the number statement represented in the abacus?



- a. $435 - 224$ b. $435 - 220$
c. $435 - 225$ d. $436 - 225$

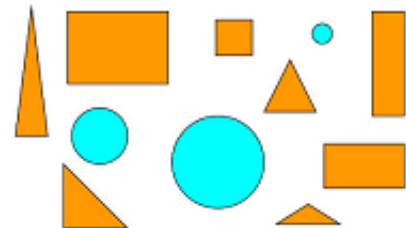
32. If a ball weighs 3 kg, then the weight of how many such balls taken together will be equal to a weight of 18 kg?

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

33. Nia's mother cuts out a ribbon of length 20 cm from an old mat. Nia asks for 4 more such ribbons from the same mat. How much more of a cloth her mother will have to cut from the same mat?

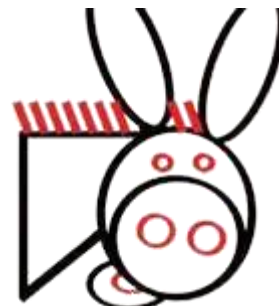
- a. 100 cm b. 80 cm
c. 60 cm d. 40 cm

34. Mrs. Alek drew various shapes on the whiteboard. Which shape has the most numbers?



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

35. Harry drew a picture of a donkey. How many circles do you see in the image?



- a. 3 b. 5
c. 4 d. 7

Answer Key

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