



CREST Mathematics Olympiad (CMO)

Previous Year Paper (2021-22)

Class 3

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 **2 sections** in the question paper 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 or Blue / Black ball point pen 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. 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, 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

Student Name: _____

Class: _____ Section: _____

Enrollment No: _____

Practical Mathematics (Each Question is 1 Mark)

1. A stationary shop sold 120 pencils and 160 erasers in a day. If it sells 30 more pens than the number of pencils and erasers sold in a day altogether, how many pens were sold in a day?
a. 290
b. 300
c. 270
d. 310
2. The cost of 3 dolls and 2 toy cars is \$750. If the cost of 1 doll is \$200, then find the cost of 1 toy car:
a. \$75
b. \$125
c. \$150
d. \$275
3. One bucket has 7 L 850 mL of water and another bucket has 5 L 800 mL of water. What is the difference in the quantity of water in the two buckets?
a. 1 L 950 mL
b. 2 L 105 mL
c. 2 L 500 mL
d. 2 L 50 mL
4. What is 10° less than the temperature shown in the thermometer given below?



- a. 20°C
b. 30°C
c. 10°C
d. -10°C

12. Rosy distributed 85 sweets among her 4 friends almost equally. What is the maximum number of sweets that a friend gets?

- a. 21
- b. 22
- c. 23
- d. 24

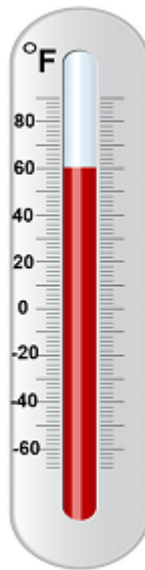
13. Sonia purchases a perfume bottle for \$250, a tiffin box set for \$325 and a school bag for \$520. How much money she will have to pay?

- a. \$1,095
- b. \$1,195
- c. \$1,295
- d. \$1,395

14. The cost of a smart teddy bear is twice the cost of a toy car costing \$125. What is the cost of the smart teddy bear?

- a. \$150
- b. \$175
- c. \$225
- d. \$250

15. What is the temperature shown in the thermometer?



- a. 50° F
- b. 60° F
- c. 70° F
- d. 80° F

16. Find the number of straight and curved lines in the picture given below:



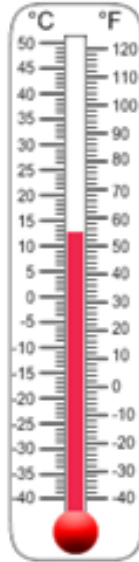
- a. 1, 2
- b. 2, 3
- c. 2, 1
- d. 3, 3

17. A bus that travels to another city in 3 hours 15 minutes is scheduled to leave the bus stand at 11:20 AM. If the bus starts 20 minutes late, then at what time will it reach the other city?

- a. 3:05 AM
- c. 2:35 PM

- b. 1:55 AM
- d. 2:55 PM

18. What is the reading in the thermometer given below?



- a. 54° F
- c. 74° F

- b. 64° F
- d. 84° F

19. Arya purchased 4 kg 350 g of rice and 3 kg 450 g of the pulse. Find the total weight of grains bought by Arya:

- a. 7 kg 800 g
- c. 8 kg 450 g

- b. 7 kg 850 g
- d. 8 kg 800 g

20. Shan read the time in the clock as 20 minutes to 1. Which of the given clocks correctly represent the time mentioned?



21. For her birthday, Avni got \$2,250 from her family. She spent two-fifth of it. Find the amount that she spent:

- a. \$1,350
- b. \$1,525
- c. \$900
- d. \$950

22. How many hours do 3480 minutes have?

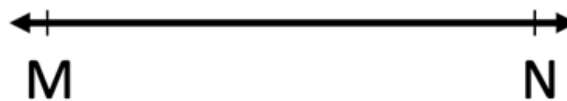
- a. 72
- b. 49
- c. 61
- d. 58

23. Which of the following pairs is correct?

(i) Seven hundred and twenty	720
(ii) Nine thousand and five	905
(iii) Eight hundred and fifty-one	815
(iv) Four thousand and sixty-two	462

- a. i and ii
- b. ii and ii
- c. Only iv is correct
- d. Only i is correct

24. What is the term used to describe the figure given below?



- a. Line segment
- b. Line
- c. Ray
- d. None of these

25. Solve the following:

$$437 + 1405 - 345 - 920$$

- a. 577
- b. 631
- c. 782
- d. 494

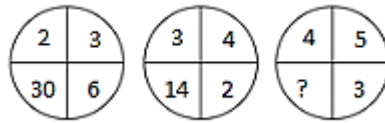
Achiever's Section (Each Question is 2 Marks)

26. Mike attends swimming classes from 4:00 PM for 1 hour. He then takes 15 minutes to reach his guitar classes. He learns guitar for 50 minutes and then takes 20 minutes to reach his home.

At what time did his guitar class end?

- a. 5:55 PM
- b. 6:05 PM
- c. 6:25 PM
- d. 6:15 PM

27. Which number will replace '?' in the figure given below?



- a. 18
c. 27
- b. 22
d. 29

28. Robert had 64 pens. He gave one-fourth of it to Jack. Out of the remaining pens, he gave two-third to James. How many pens did he give to James?

- a. 16
c. 48
- b. 32
d. 24

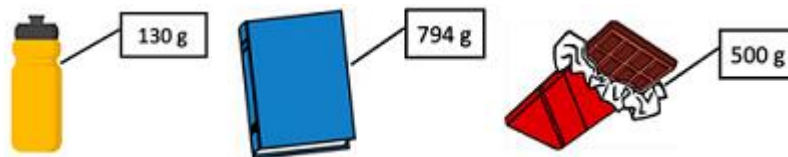
29. A boat starts from its port and travels a distance of 17 m 84 cm. Due to weather warning; the captain of the boat is asked to take a U-turn and return back. How much distance did the boat travel?

- a. 35 m 68 cm
c. 37 m 68 cm
- b. 34 m 68 cm
d. 36 m 16 cm

30. A lady buys 2 L 500 mL of milk every day from the milkman. She requested for some extra milk for a day and the total milk given to her by the milkman was 4 L 350 ml. How much more milk did she ask for?

- a. 6 L 950 mL
c. 7 L 50 mL
- b. 1 L 650 mL
d. 1 L 850 mL

31. The weight of 3 different objects is given as below. How much will a basket weigh if it has 3 bottles, 2 books and 6 chocolates?



- a. 4 kg 978 g
c. 3 kg 888 g
- b. 5 kg 324 g
d. 4 kg 988 g

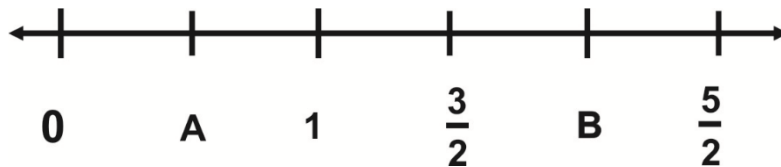
32. Which of the following is incorrect?

- a. $(456 \times 63) \times 35 = 456 \times (63 \times 35)$
c. $92 \times 1 \times 35 = 92 \times 35$
- b. $729 \times (623 + 71) = 71 \times 623 \times 729$
d. $473 \times 7321 \times 0 = 0$

33. Which of the given statements about a circle is not true?

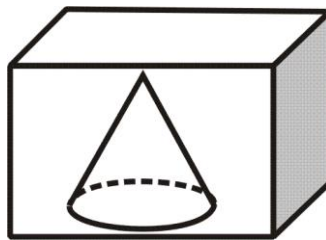
- a. Radius of a circle is half of the diameter.
- b. A circle can have many centres.
- c. Diameter is the longest chord.
- d. Diameter passes through the centre of a circle

34. Find A and B in the given fractional number line:



- a. A = $\frac{1}{4}$ and B = $\frac{1}{2}$
- b. A = $\frac{1}{3}$ and B = 3
- c. A = 2 and B = $\frac{4}{2}$
- d. A = $\frac{1}{2}$ and B = 2

35. Which 3-D shapes does the given figure have?



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

Answer Key

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