SAMPLE PAPER

CREST Mathematics Olympiad (CMO)

Syllabus for CMO is available at https://www.crestolympiads.com/cmo-syllabus

Pattern And Marking Scheme

Class	Topic/Section	No. of Questions	Marks per Questions	Total Marks
	Practical Mathematics	25	1	25
1st to 4th	Achiever's Section	10	2	20
	Grand Total	**35**	-	**45**
	Practical Mathematics	40	1	40
5th to 10th	Achiever's Section	10	2	20
	Grand Total	**50**	-	**60**

1. Represent the shaded part given below as a fraction and decimal?

(a) 8/10, 8.0   (b) 4/5, 0.8
(c) 2/5, 1.2   (d) 4/5, 4.5

2. What is the number obtained on rounding off the difference of 6887 and the product of 27 and 368 to the nearest ten?

(a) 3000   (b) 3050
(c) 3100   (d) 4000

3. Krishna goes to the market with Rs. 1500 and buys two of these items.

₹ 498   ₹ 809   ₹ 1015
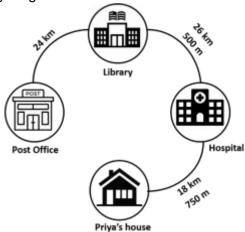
How much money will be left with him?
(a) Rs. 324   (b) Rs. 293
(c) Rs. 193   (d) Rs. 163
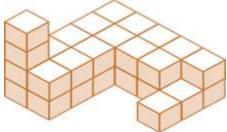
4. Look at the figure given below:

Priya visits her relative at the hospital from her house, collects a book from the library and posts a letter at the post office. If she returns home by the same route, then how much distance will she travel?

(a) 50 km 500 m   (b) 68 km 750 m
(c) 69 km 250 m   (d) 138 km 500 m

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5. Look at the figure given below:

How many unit cubes will be needed to build the above solid?
(a) 32   (b) 28
(c) 36   (d) 34

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6. Anil ran a race in 160 seconds. He ran 32 seconds faster than Amit. How long did Amit take to run the race?
(a) 2 minutes 1 seconds   (b) 2 minutes 37 seconds
(c) 3 minutes 12 seconds   (d) 3 minutes 30 seconds

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7. Abhilasha had a rectangular garden 89 m wide. If she spent Rs. 2244 to fence it at Rs. 6 per m, then find the length of her garden.

(a) 98 m   (b) 89 m

(c) 107 m   (d) 113 m

8. A teacher brings a bag of crayons to distribute to her class of 40 children. If she plans to give 1 set of 8 crayons to each child and have no extra crayons in the bag, then how many crayons should be there in the bag?

(a) 48   (b) 320

(c) 49   (d) 40

Achiever's Section

9. Study the following statements.
- 2/3 of wire P is 80 cm long.
- 2/3 of wire Q is 46 cm long.

Which of the above statements is true?

(a) Wire P is shorter than wire Q.

(b) The length of wire P is twice that of wire Q.

(c) The two wires have the same length.

(d) Wire P is longer than wire Q.

10. Aliya has objects with the following shapes given below:
Which of the following sentence describes the shape of Aliya's objects?

(a) Each shape has four right angles

(b) Each shape has atleast one line of symmetry

(c) Each shape has all sides of equal length

(d) None of the above

Answers

1. (b), 2. (b), 3. (c), 4. (b), 5. (d), 6. (c), 7. (a), 8. (b), 9. (d), 10. (d).