



# CREST Mathematics Olympiad (CMO) Worksheet *for* Class 3



Topic  
Length



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## Worksheet on Length

1. Convert 12 metres to millimetres.

- a. 120 mm
- b. 1200 mm
- c. 12000 mm
- d. 120000 mm

2. The height of the kid is 2 m 30 cm. What is the height of the teacher if the height of the teacher is three times the height of the kid?



- a. 6 m 60 cm
- b. 6 m 90 cm
- c. 9 m 60 cm
- d. 9 m 90 cm

3. The shopkeeper had a roll of rope that was 567 metres long. He sold 132 metres to a customer. How much rope in centimetres is left in the roll?



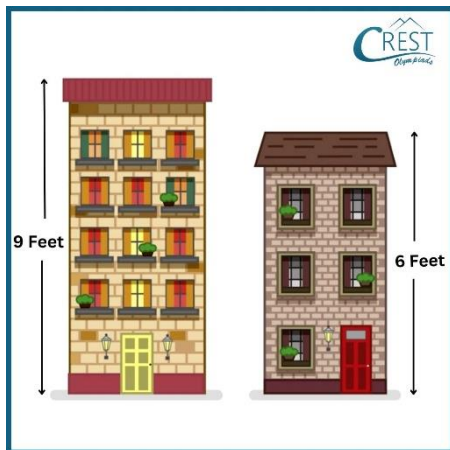
- a. 22500 cm
- b. 23700 cm
- c. 34500 cm
- d. 43500 cm

4. If a bus travelled a distance of 72 kilometres while going to the Picnic on Sunday, What is the distance covered in metres?



- a. 720 m
- b. 7200 m
- c. 72000 m
- d. 720000 m

5. What is the sum of the heights of the two buildings in inches if the heights of the buildings are 9 feet and 6 feet, respectively?



- a. 120 inches
- b. 140 inches
- c. 160 inches
- d. 180 inches

## Answer Key

1. c - 12000 mm

**Explanation:** The conversion of 12 metres to millimetres is:

$$12 \text{ m} = 12 \times 1000$$

$$= 12000 \text{ mm}$$

2. b - 6 m 90 cm

**Explanation:** Height of the kid = 2 m 30 cm

$$= 2 \text{ m} + 30 \text{ cm}$$

$$= (2 \times 100) \text{ cm} + 30 \text{ cm}$$

$$= 200 \text{ cm} + 30 \text{ cm}$$

$$= 230 \text{ cm}$$

**The height of the teacher is three times the height of the kid.**

$$\text{Height of the teacher} = 3 \times \text{Height of the kid}$$

$$= 3 \times 230 \text{ cm} = 690 \text{ cm}$$

$$= 600 \text{ cm} + 90 \text{ cm}$$

$$= 6 \text{ m} + 90 \text{ cm}$$

$$= 6 \text{ m } 90 \text{ cm}$$

3. d - 43500 cm

**Explanation:** Total length of rope in a roll = 567 m

Length of rope sold to a customer = 132 m

$$\text{Length of rope which is left in the roll} = 567 - 132 = 435 \text{ m}$$

$$\text{Length of rope which is left in the roll} = 435 \times 100 = 43500 \text{ cm}$$

4. c - 72000 m

**Explanation:** Distance covered = 72 km

$$\text{Distance covered in metres} = 72 \times 1000$$

$$= 72000 \text{ m}$$

5. d - 180 inches

**Explanation:** The height of the two buildings in feet =  $9 + 6 = 15$  feet

$$\text{The height of the two buildings in feet} = 15 \times 12 \text{ inches}$$

$$= 180 \text{ inches.}$$

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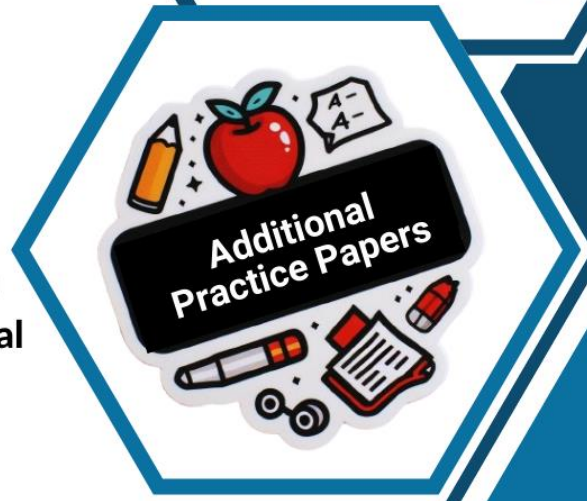
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