#CRESTInnovator

CREST Mathematics Olympiad (CMO)

Worksheet *for*

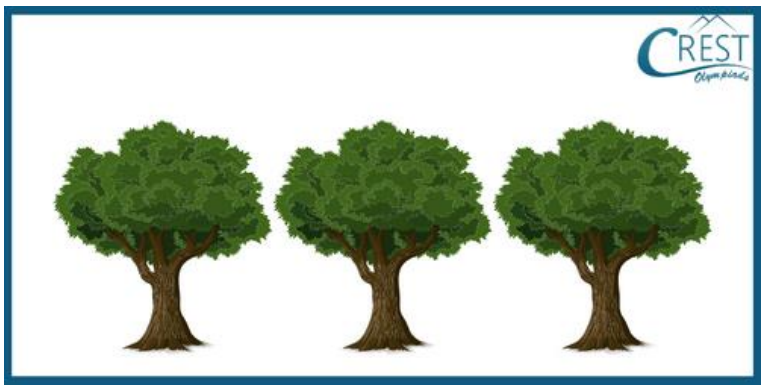
Class 4

Topic

Length

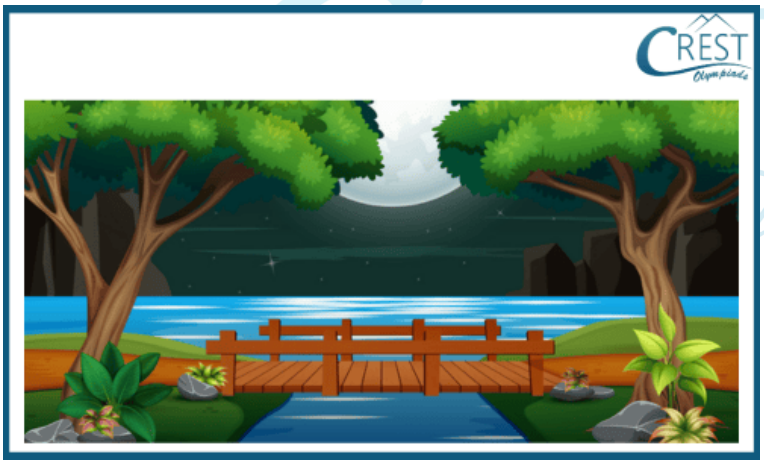
Worksheet on Length

1. **If the height of each tree is 132 inches, what is the sum of the heights in feet of the given trees?**



a. 11 feet
b. 22 feet
c. 33 feet
d. 66 feet

2. **The length of the bridge is 4/5 of 990 metres. What is the length of the bridge in centimetres?**



a. 75900 cm
b. 79500 cm
c. 72900 cm
d. 79200 cm

3. **What is the length in centimetres of rope in each bundle if the total length of rope in all the bundles is 124 metres?**

a. 1500 cm
b. 1550 cm
c. 1600 cm
d. 1650 cm

4. **A kid's bicycle covers 5500 m in 11 minutes. What is the distance in kilometres covered by a bicycle in an hour?**

a. 15 km
b. 20 km
c. 25 km
d. 30 km

5. **The tailor needs 5 m 60 cm of clothes to make a shirt and 8 m 75 cm of the same clothes to make a trouser. What is the total length of clothes required to make three shirts and two trousers?**

a. 34 m 30 cm
b. 34 m 60 cm
c. 43 m 30 cm
d. 43 m 60 cm

Answer Key

1. c - 33 feet

Explanation: Height of a tree = 132 inches
Height of a tree in feet = 132 ÷ 12
= 11 feet
Height of 3 trees in feet = 11 × 3 feet
= 33 feet

2. d - 79200 cm

Explanation: Length of the bridge = (4/5) × 990 m
= 792 m
Length of the bridge in cm = 792 × 100
= 79200 cm

3. b - 1550 cm

Explanation: Total length of rope in all the bundles = 124 m
Length of rope in each bundle = 124 ÷ 8
= 15.5 m
Length of rope in each bundle in cm = 15.5 × 100
= 1550 cm

4. d - 30 km

Explanation: Distance covered by a kid's bicycle in 11 minutes = 5500 m
Distance covered by a kid's bicycle in 1 minute = 5500 ÷ 11
= 500 m
Distance covered by a kid's bicycle in 60 minutes (1 hour) = 500 × 60
= 30000 m
Distance covered by a kid's bicycle in an hour in kilometres = 30000 ÷ 1000
= 30 km

5. a - 34 m 30 cm

Explanation: Length of cloth needed by tailor for 1 shirt = 5 m 60 cm
= 5 m + 60 cm
= (5 × 100) cm + 60 cm
= 500 cm + 60 cm
= 560 cm
Length of cloth needed by tailor for 3 shirts = 560 × 3
= 1680 cm
Length of cloth needed by tailor for 1 trouser = 8 m 75 cm
= 8 m + 75 cm
= (8 × 100) cm + 75 cm
= 800 cm + 75 cm
= 875 cm
Length of cloth needed by tailor for 2 trousers = 875 × 2
= 1750 cm
Total length of clothes required to make 3 shirts and 2 trousers = (1680 + 1750) cm
= 3430 cm
= 3400 cm + 30 cm
= (3400/100) m + 30 cm
= 34 m 30 cm

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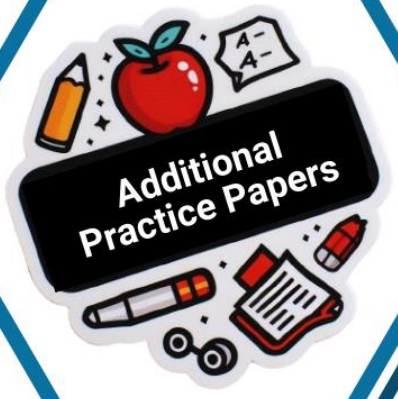

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