

4.MD.A.1 Convert Metric Units for Length

4.MD.A.1: Know relative sizes of measurement units within one system of units

1. Find the number of meters in 27 kilometers.

Solution:

2. Fill in the blanks.

a. 83 cm = _____ mm

d. 10 m = _____ mm

g. 50 m = _____ cm

b. _____ km = 2,000 m

e. 15 cm = _____ m

h. _____ m = 1000 mm

c. 60 cm = _____ dm

f. 200 cm = _____ m

i. 1 m = _____ dm

3. Compare. Write <, > or = for each.

a. 6 cm _____ 60 mm

d. 10 m _____ 1000 cm

g. 50 m _____ 10 km

b. 10 km _____ 1000 m

e. 1 m _____ 100 mm

h. 20 cm _____ 0.2 m

c. 60 cm _____ 50 dm

f. 10 m _____ 1000 dm

i. 110 cm _____ 1.1 m

4. A pencil is 20 cm long. How many decimeters long is the pencil?

Solution:

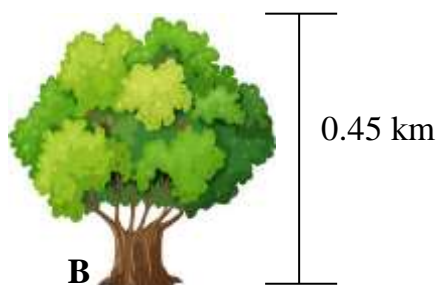
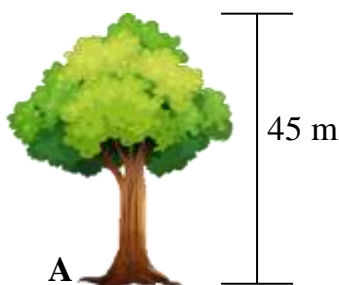
5. John's height is 1.75 m. Find John's height in cm.

Solution:

6. Distance between the school and Alex's house is 2 km. What is the distance between the school and Alex's house in meters?

Solution:

7. Which tree is taller? Note: Do not go by their looks.



Solution:

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Answer Key

4.MD.A.1: Know relative sizes of measurement units within one system of units

1. Find the number of meters in 27 kilometers.

27,000 meters

2. Fill in the blanks.

a. 83 cm = 830 mm

d. 10 m = 10,000 mm

g. 50 m = 5,000 cm

b. 2 km = 2,000 m

e. 15 cm = 0.15 m

h. 1 m = 1000 mm

c. 60 cm = 6 dm

f. 200 cm = 2 m

i. 1 m = 10 dm

3. Compare. Write <, > or = for each.

a. 6 cm = 60 mm

d. 10 m = 1000 cm

g. 50 m < 10 km

b. 10 km > 1000 m

e. 1 m > 100 mm

h. 20 cm = 0.2 m

c. 60 cm < 50 dm

f. 10 m < 1000 dm

i. 110 cm = 1.1 m

4. A pencil is 20 cm long. How many decimeters long is the pencil?

2 decimeters

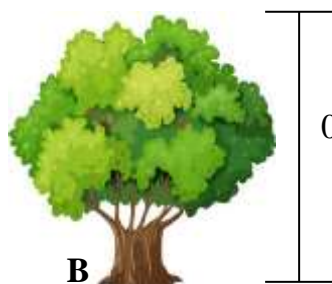
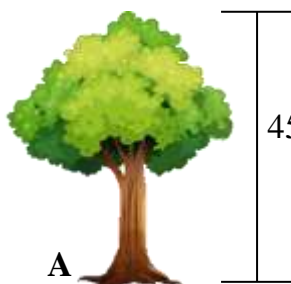
5. John's height is 1.75 m. Find John's height in cm.

175 cm

6. Distance between the school and Alex's house is 2 km. What is the distance between the school and Alex's house in meters?

2,000 meters

7. Which tree is taller? Note: Do not go by their looks.



B