

## Reduce the Ratio

Medium: S2

A) Reduce each ratio to its lowest term.

1) 4 hectograms : 25 kilograms

2) 3 dekameters : 18 meters

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3) 26 yards : 62 feet

4) 35 hectometers : 12 kilometers

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5) 14 feet : 46 inches

: 24 decigrams

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\_\_\_\_\_

7) 28 meters : 56 decimeters

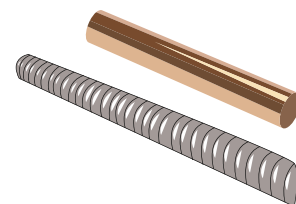
pounds

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B) A copper rod of length 1.2 m and an iron rod of length 0.8 m are taken for tensile stress testing. What is the ratio of the length of copper rod to the length of the iron rod? Reduce the ratio to its lowest term.

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**Reduce the Ratio**

Medium: S2

A) Reduce each ratio to its lowest term.

1) 4 hectograms : 25 kilograms

2) 3 dekameters : 18 meters

$4 \text{ hg} : 250 \text{ hg} = 2 \text{ hg} : 125 \text{ hg}$

$30 \text{ m} : 18 \text{ m} = 5 \text{ m} : 3 \text{ m}$

3) 26 yards : 62 feet

4) 35 hectometers : 12 kilometers

$78 \text{ ft} : 62 \text{ ft}$

$35 \text{ hm} : 24 \text{ km} = 7 \text{ hm} : 24 \text{ hm}$

5) 14 feet : 46 inches

6) 23 centigrams : 24 decigrams

$168 \text{ in} : 46 \text{ in}$

$23 \text{ cg} = 23 \text{ cg} : 60 \text{ cg}$

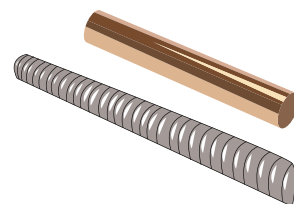
7) 28 meters : 56 decimeters

8) 21 ounces : 44 pounds

$280 \text{ dm} : 56 \text{ dm}$

$21 \text{ oz} = 21 \text{ oz} : 44 \text{ oz}$

B) A copper rod of length 10 inches is used for tensile stress testing. What is the ratio of the length of copper rod to the length of the iron rod? Reduce the ratio to its lowest term.



$10 \text{ in} : 12 \text{ in} = 5 \text{ in} : 6 \text{ in}$

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