

Name : _____

Reduce the Ratio

MS2

A) Reduce each ratio to its lowest term.

1) 4 quarts : 25 gallons

2) 3 pints : 18 teaspoons

3) 26 yards : 62 feet

4) 15 cups : 35 tablespoons

5) 14 feet : 46 inches

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pints

7) 28 tablespoons

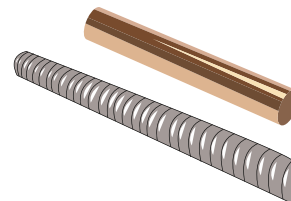
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pounds

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B) A copper rod of _____ in 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.



Name : _____

Answer Key

MS2

Reduce the Ratio

A) Reduce each ratio to its lowest term.

1) 4 quarts : 25 gallons

2) 3 pints : 18 teaspoons

$$\underline{4 \text{ qt} : 100 \text{ qt} = 1 \text{ qt} : 25 \text{ qt}}$$

$$\underline{288 \text{ tsp} : 18 \text{ tsp} = 16 \text{ tsp} : 1 \text{ tsp}}$$

3) 26 yards : 62 feet

4) 15 cups : 35 tablespoons

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

$$\underline{48 \text{ tbs} = 48 \text{ tbs} : 7 \text{ tbs}}$$

5) 14 feet : 46 inches

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pints

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

$$\underline{48 \text{ pt} = 48 \text{ pt} : 23 \text{ pt}}$$

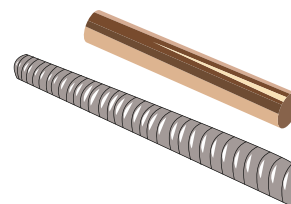
7) 28 tablespoons

pounds

$$\underline{84 \text{ tsp} : 56 \text{ tsp}}$$

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

B) A copper rod of length 10 in 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.



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