

Name : _____

Reduce the Ratio

MS1

A) Reduce each ratio to its lowest term.

1) 5 cups : 96 teaspoons

2) 20 quarts : 45 pints

3) 8 feet : 44 inches

4) 7 gallons : 66 quarts

5) 55 ounces : 5 pounds

yards

7) 9 quarts : 45 pints

yards

B) A large valve measures 8 feet in height. A control valve measures 42 inches and has check valves of 8 feet height. What is the ratio of the height of control valve to the height of check valve? Reduce the ratio to its lowest term.

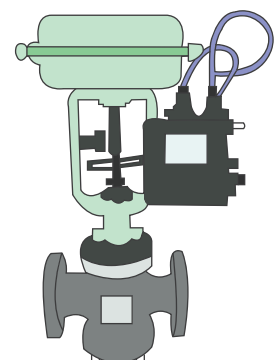
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Name : _____

Answer Key

MS1

Reduce the Ratio

A) Reduce each ratio to its lowest term.

1) 5 cups : 96 teaspoons

2) 20 quarts : 45 pints

$$\underline{240 \text{ tsp} : 96 \text{ tsp} = 5 \text{ tsp} : 2 \text{ tsp}}$$

$$\underline{40 \text{ pt} : 45 \text{ pt} = 8 \text{ pt} : 9 \text{ pt}}$$

3) 8 feet : 44 inches

4) 7 gallons : 66 quarts

$$\underline{96 \text{ in} : 44 \text{ in}}$$

$$\underline{t = 14 \text{ qt} : 33 \text{ qt}}$$

5) 55 ounces : 5 pints

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ards

$$\underline{55 \text{ oz} : 80 \text{ oz}}$$

$$\underline{\text{in} = 4 \text{ in} : 27 \text{ in}}$$

7) 9 quarts : 45 pints

ards

$$\underline{18 \text{ pt} : 45 \text{ pt}}$$

$$\underline{\text{ft} = 2 \text{ ft} : 9 \text{ ft}}$$

B) A large valve measures 8 feet high. The control valve measures 42 inches and check valves of 8 feet height. What is the ratio of the height of control valve to the height of check valve? Reduce the ratio to its lowest term.

$$\underline{42 \text{ in} : 96 \text{ in} = 7 \text{ in} : 16 \text{ in}}$$

