

Reduce the Ratio

Medium: S1

A) Reduce each ratio to its lowest term.

1) 3 meters : 16 centimeters

2) 20 quarts : 45 pints

3) 8 feet : 44 inches

4) 65 milligrams : 9 centigrams

5) 55 ounces : 5 pounds

6) 10 feet : 92 millimeters

7) 9 quarts : 45 pints

8) 10 feet : 92 millimeters

B) A large valve measures 8 feet high. A 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.

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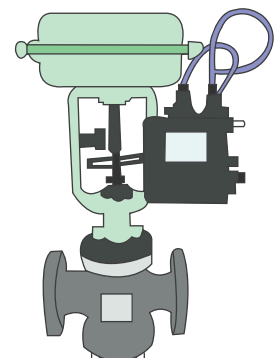
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Reduce the Ratio

Medium: S1

A) Reduce each ratio to its lowest term.

1) 3 meters : 16 centimeters

2) 20 quarts : 45 pints

$300 \text{ cm} : 16 \text{ cm} = 75 \text{ cm} : 4 \text{ cm}$

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

3) 8 feet : 44 inches

4) 65 milligrams : 9 centigrams

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

$65 \text{ mg} = 13 \text{ mg} : 18 \text{ mg}$

5) 55 ounces : 5 pounds

6) 92 millimeters : 23 centimeters

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

$92 \text{ mm} = 35 \text{ mm} : 23 \text{ mm}$

7) 9 quarts : 45 pints

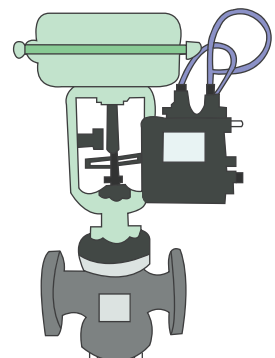
8) 18 feet : 9 feet

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

$18 \text{ ft} = 2 \text{ ft} : 9 \text{ ft}$

B) A large 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.

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



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