



Scale quantities down using a ratio

1

Multiply these decimals, given the hint

$$2 \times 4 = 8$$

$$200 \times 0.4 = ?$$

A 80

B 8,000

C 0.08

D 80,000

E 0.8

F 800

2

Find the ratio that this equivalent fraction has been multiplied by

$$\frac{1}{3} = \frac{5}{15}$$

Diagram showing the fraction $\frac{1}{3}$ being multiplied by $\times 5$ to get $\frac{5}{15}$.

A 10

B 12

C 5

D 4

E 14

F 8

3

Find the ratio that this equivalent fraction has been multiplied by

$$\frac{1}{6} \times \frac{?}{?} = \frac{4}{24}$$

A

$$\frac{4}{4}$$

B

$$\frac{5}{5}$$

4

Complete the equivalent fraction by finding the missing numerator

$$\frac{4}{112} = \frac{?}{336}$$

A 11

B 16

C 15

D 7

E 13

F 12

5

Complete the equivalent fraction by finding the missing denominator

$$\frac{1}{6} = \frac{200}{?}$$

A 12,000

B 0

C 1200

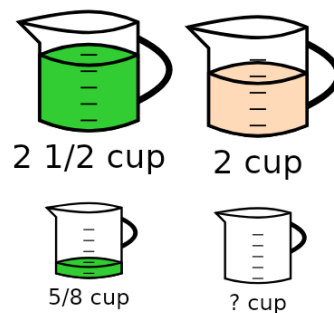
D 1,200

E 2,000

F 120,000

6

This smoothie needs 2 cup of peach for every 2 1/2 cup of lime. How many cups of peach is needed if you have 5/8 cup of lime



A

$$3\frac{1}{8} \text{ cup}$$

B

$$\frac{1}{2} \text{ cup}$$

C

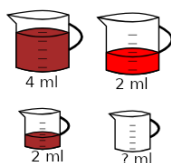
$$\frac{7}{20} \text{ cup}$$

D

$$\frac{7}{9} \text{ cup}$$

7

This sundae needs 2 ml of strawberry for every 4 ml of chocolate. How much strawberry is needed if you have 2 ml of chocolate



A 7 ml

B 4 ml

C 5 ml

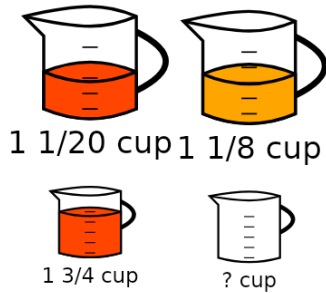
D 1 ml



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8

This sauce needs $1\frac{1}{8}$ cup of mustard for every $1\frac{1}{20}$ cup of ketchup. How many cups of mustard is needed if you have $1\frac{3}{4}$ cup of ketchup



A $2\frac{19}{32}$ cup

B $2\frac{43}{640}$ cup

C $1\frac{7}{8}$ cup

D $3\frac{20}{21}$ cup

9

This sundae needs 24 ml of strawberry for every 21 ml of chocolate. How much strawberry is needed if you have 7 ml of chocolate



A 2 ml

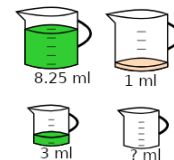
B 3 ml

C 9 ml

D 8 ml

10

This smoothie needs 1 ml of peach for every 8.25 ml of lime. How much peach is needed if you have 3 ml of lime



A 1.11 ml

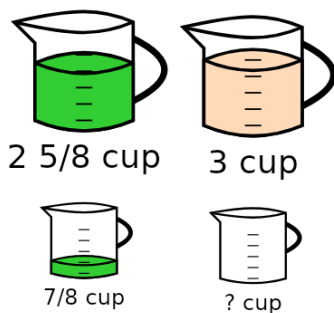
B 0.64 ml

C 0.61 ml

D 0.36 ml

11

This smoothie needs 3 cup of peach for every $2\frac{5}{8}$ cup of lime. How many cups of peach is needed if you have $\frac{7}{8}$ cup of lime



A 1 cup

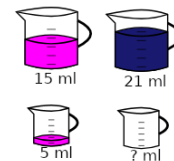
B $3\frac{5}{8}$ cup

C $1\frac{8}{21}$ cup

D $\frac{29}{168}$ cup

12

This paint color needs 21 ml of blue for every 15 ml of magenta. How much blue is needed if you have 5 ml of magenta



A 2 ml

B 6 ml

C 7 ml

D 8 ml