mobius

Ratios - Equivalent, Expanding Recipes with Non-Integer Multiples - Fractions

1 This paint color needs 3/8 cup of blue for every 1/2 cup of magenta. How many cups of blue is needed if you have 2/5 cup of magenta

1/2 cup   3/8 cup

2/5 cup   ? cup
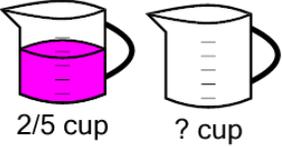
A. $\frac{3}{10}$ cup
B. 5 cup
C. $\frac{1}{4}$ cup
D. $\frac{3}{40}$ cup

2 This sauce needs 1/2 cup of mustard for every 5/8 cup of ketchup. How many cups of mustard is needed if you have 5/6 cup of ketchup
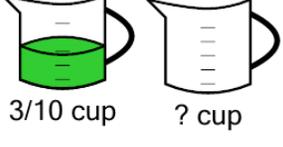
5/8 cup   1/2 cup

5/6 cup   ? cup
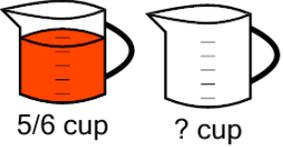
A. $\frac{2}{3}$ cup
B. $1\frac{1}{12}$ cup
C. $\frac{25}{96}$ cup
D. $\frac{13}{17}$ cup

3 This paint color needs 1/4 cup of blue for every 1/8 cup of magenta. How many cups of blue is needed if you have 1/8 cup of magenta

1/8 cup   1/4 cup

1/8 cup   ? cup
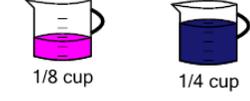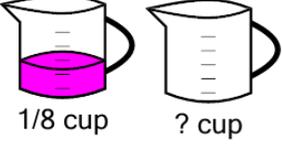
A. $\frac{1}{4}$ cup
B. $\frac{9}{32}$ cup
C. 9 cup
D. $\frac{3}{11}$ cup

4 This sundae needs 7/8 cup of strawberry for every 3/4 cup of chocolate. How many cups of strawberry is needed if you have 3/8 cup of chocolate

3/4 cup   7/8 cup
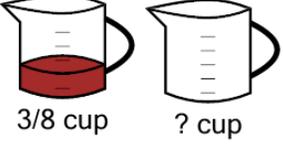
3/8 cup   ? cup

A. $\frac{7}{16}$ cup
B. $\frac{63}{256}$ cup
C. $\frac{25}{192}$ cup
D. $\frac{25}{67}$ cup

5 This smoothie needs 3/8 cup of peach for every 1/4 cup of lime. How many cups of peach is needed if you have 1/5 cup of lime

1/4 cup   3/8 cup

1/5 cup   ? cup
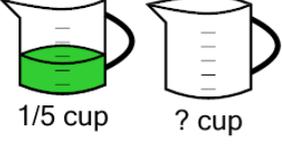
A. $\frac{3}{10}$ cup
B. $\frac{7}{41}$ cup
C. $\frac{3}{160}$ cup
D. 7 cup

6 This paint color needs 1/4 cup of blue for every 1/8 cup of magenta. How many cups of blue is needed if you have 1/6 cup of magenta

1/8 cup   1/4 cup

1/6 cup   ? cup
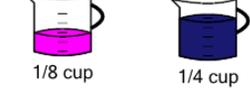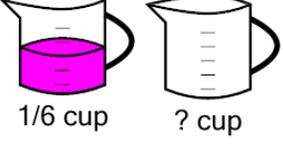
A. $\frac{1}{3}$ cup
B. $\frac{1}{192}$ cup
C. $\frac{3}{8}$ cup
D. 9 cup

7 This sundae needs 7/8 cup of strawberry for every 3/4 cup of chocolate. How many cups of strawberry is needed if you have 1/2 cup of chocolate

3/4 cup   7/8 cup
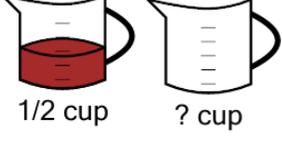
1/2 cup   ? cup

A. $\frac{7}{12}$ cup
B. $3\frac{2}{3}$ cup
C. $\frac{11}{48}$ cup
D. $\frac{21}{64}$ cup

8 This smoothie needs 1/2 cup of peach for every 3/8 cup of lime. How many cups of peach is needed if you have 3/10 cup of lime

3/8 cup   1/2 cup

3/10 cup   ? cup

A. $\frac{2}{5}$ cup
B. $\frac{9}{160}$ cup
C. $\frac{11}{20}$ cup
D. $3\frac{2}{3}$ cup