## **Quick Review**

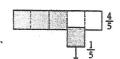


The strategies for subtracting fractions are similar to those for adding fractions.

➤ If the denominators are the same, subtract the numerators. Then write the difference over the common denominator.

$$4 \text{ fifths} - 1 \text{ fifth} = 3 \text{ fifths}$$

$$\frac{4}{5} - \frac{1}{5} = \frac{3}{5}$$



➤ If the denominators are different, subtract equivalent fractions with the same denominator.

To subtract  $\frac{1}{2} - \frac{1}{8}$ , find the lowest common multiple of 2 and 8.

Multiples of 2 are: 2, 4, 6, 8, 10, 12, ...

Multiples of 8 are: 8, 16, 24, ...

The lowest common multiple of 2 and 8 is 8.

Write equivalent fractions using 8 as the denominator.

$$\frac{1}{2} = \frac{4}{8}$$

So, 
$$\frac{1}{2} - \frac{1}{8} = \frac{4}{8} - \frac{1}{8}$$

## Since 8 is a multiple of 2,8 is the lowest common multiple

of 2 and 8.

## Practice

1. Subtract.

a) 
$$\frac{7}{8} - \frac{3}{8} =$$
 b)  $\frac{3}{5} - \frac{1}{5} =$  c)  $\frac{9}{10} - \frac{2}{10} =$ 

b) 
$$\frac{3}{5} - \frac{1}{5} =$$

c) 
$$\frac{9}{10} - \frac{2}{10} =$$

d) 
$$\frac{8}{9} - \frac{2}{9} =$$
 e)  $\frac{6}{7} - \frac{1}{7} =$  f)  $\frac{11}{12} - \frac{3}{12} =$ 

e) 
$$\frac{6}{7} - \frac{1}{7} =$$

f) 
$$\frac{11}{12} - \frac{3}{12} =$$

## 2. Subtract.

a) 
$$\frac{3}{4} - \frac{1}{12}$$

The multiples of 4 are:

The multiples of 12 are:

A multiple of 4 and 12 is: \_\_\_

Use this as a common denominator.

$$\frac{3}{4} - \frac{1}{12} =$$

b) 
$$\frac{2}{3} - \frac{2}{10}$$

The multiples of 3 are:

The multiples of 10 are:

A multiple of 3 and 10, and a common denominator is:

$$\frac{2}{3} - \frac{2}{10} =$$

c) 
$$\frac{3}{4} - \frac{3}{10}$$

Multiples of 4 are:

Multiples of 10 are:

A multiple of 4 and 10, and a common denominator is:

$$\frac{3}{4} - \frac{3}{10} =$$

d) 
$$\frac{3}{2} - \frac{7}{10}$$

The multiples of 2 are:

The multiples of 10 are: \_\_\_\_\_

A multiple of 2 and 10, and a common denominator is:

$$\frac{3}{2} - \frac{7}{10} =$$

**3.** Subtract:  $\frac{4}{9} - \frac{1}{3}$ 

The lowest common multiple of 9 and 3 is:

$$\frac{4}{9} - \frac{1}{3} =$$
\_\_\_\_\_

4. Subtract. Write the answer in simplest form.

a) 
$$\frac{5}{8} - \frac{1}{6} =$$

b) 
$$\frac{2}{3} - \frac{5}{12} =$$

c) 
$$\frac{5}{7} - \frac{2}{5} =$$

d) 
$$\frac{2}{5} - \frac{1}{6} =$$

5. Complete this magic square so that the sum of every row, column, and diagonal is 1. Write all fractions in simplest form.

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**6.** Jie weeds  $\frac{2}{5}$  of her garden on Friday, and  $\frac{1}{3}$  on Saturday. How much of the garden still needs to be weeded?