## **Quick Review**



To subtract mixed numbers, follow these steps:

- Change the fractions to equivalent fractions with common denominators.
- Subtract the fractions.
- Then subtract the whole numbers.

Sometimes, you need to write improper fractions to subtract mixed numbers.

For example, to subtract:  $3\frac{1}{8} - 2\frac{1}{2}$ 

$$3\frac{1}{8} - 2\frac{1}{2} = 3\frac{1}{8} - 2\frac{4}{8}$$

Since  $\frac{1}{8} < \frac{4}{8}$ , write  $3\frac{1}{8}$  as  $3 + \frac{1}{8}$ , then take 1 from 3 and write it as  $\frac{8}{8}$ .

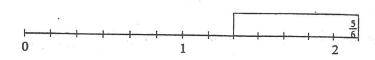
$$3\frac{1}{8} = 2\frac{8}{8} + \frac{1}{8}$$
$$= 2\frac{9}{8}$$

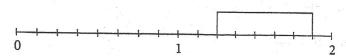
$$=2\frac{9}{8}$$

So, 
$$3\frac{1}{8} - 2\frac{1}{2} = 2\frac{9}{8} - 2\frac{4}{8}$$
  
=  $\frac{5}{8}$ 

## Practice

1. Write a subtraction equation for each picture.





2. Subtract.

a) 
$$3\frac{7}{8} - 1\frac{5}{8} =$$

**b**) 
$$8\frac{3}{4} - 2\frac{1}{4} =$$

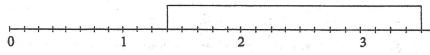
c) 
$$5\frac{7}{12} - 3\frac{1}{12} =$$

3. Write a subtraction equation for each picture.









**4.** We know that  $\frac{1}{2} - \frac{1}{3} = \frac{1}{6}$ .

Use this result to find each sum.

a) 
$$5\frac{1}{2} - 1\frac{1}{3} =$$

**b)** 
$$2\frac{1}{2} - 1\frac{1}{3} =$$

c) 
$$4\frac{1}{2} - \frac{1}{3} =$$

5. Regroup to subtract.

a) 
$$2 - \frac{1}{3} = 1\frac{1}{3} - \frac{1}{3}$$

b) 
$$3 - 1\frac{5}{8} =$$
 \_\_\_\_\_ c)  $4 - \frac{2}{5} =$  \_\_\_\_

c) 
$$4 - \frac{2}{5} =$$

6. Subtract. Regroup if necessary.

a) 
$$4\frac{1}{9} - 2\frac{2}{3} =$$

b) 
$$4-1\frac{1}{2}=$$

c) 
$$3\frac{4}{7} - 1\frac{1}{2} =$$

d) 
$$7\frac{1}{4} - 3\frac{5}{6} =$$

**7.** George swam  $8\frac{3}{4}$  laps on Monday and  $6\frac{1}{5}$  laps on Tuesday.

How many more laps did he swim on Monday than on Tuesday?

8. Armin has 3 flower gardens. He bought 5 bags of mulch.

Armin used  $1\frac{1}{2}$  bags of mulch on each garden.

How much mulch is left?