

Lesson 6.5 Subtracting Fractions with Like Denominators

$$\begin{array}{r} \frac{7}{12} - \frac{5}{12} \\ \uparrow \quad \uparrow \\ \end{array}$$

Like denominators
are the same number.

Subtract the numerators.

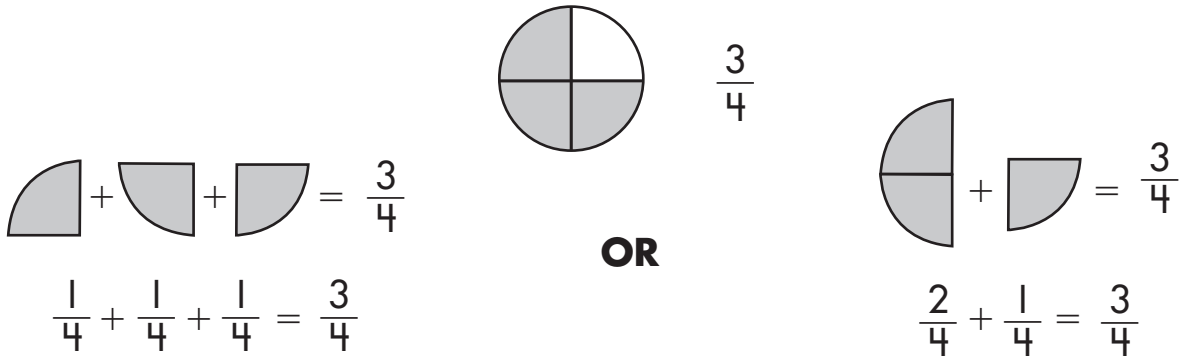
$$\frac{7}{12} - \frac{5}{12} = \frac{7-5}{12} = \frac{2}{12}$$

Write the difference over the
common denominator.

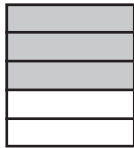

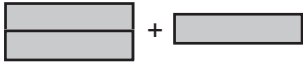
Subtract.

	a	b	c	d	e
1.	$\frac{11}{12}$ $\frac{3}{12}$ -12	$\frac{7}{10}$ $\frac{3}{10}$ -10	$\frac{3}{4}$ $\frac{1}{4}$ -4	$\frac{6}{7}$ $\frac{5}{7}$ -7	$\frac{4}{5}$ $\frac{3}{5}$ -5
2.	$\frac{5}{10}$ $\frac{3}{10}$ -10	$\frac{8}{12}$ $\frac{7}{12}$ -12	$\frac{4}{5}$ $\frac{2}{5}$ -5	$\frac{7}{10}$ $\frac{4}{10}$ -10	$\frac{5}{8}$ $\frac{1}{8}$ -8
3.	$\frac{9}{10}$ $\frac{3}{10}$ -10	$\frac{7}{11}$ $\frac{5}{11}$ -11	$\frac{8}{9}$ $\frac{1}{9}$ -9	$\frac{4}{5}$ $\frac{2}{5}$ -5	$\frac{8}{9}$ $\frac{6}{9}$ -9
4.	$\frac{5}{7} - \frac{3}{7} =$	$\frac{7}{12} - \frac{3}{12} =$	$\frac{8}{9} - \frac{8}{9} =$	$\frac{12}{12} - \frac{8}{12} =$	
5.	$\frac{9}{12} - \frac{7}{12} =$	$\frac{4}{4} - \frac{3}{4} =$	$\frac{9}{10} - \frac{7}{10} =$	$\frac{3}{3} - \frac{1}{3} =$	
6.	$\frac{5}{8} - \frac{1}{8} =$	$\frac{6}{7} - \frac{5}{7} =$	$\frac{11}{12} - \frac{8}{12} =$	$\frac{7}{10} - \frac{0}{10} =$	

Lesson 6.6 Decomposing Fractions



Decompose each fraction in two ways. Write two equations to show your thinking.

	a	b
1.	$\frac{3}{5}$   $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{3}{5}$ $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{3}{5}$ OR  $\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$	$\frac{5}{6}$
2.	$\frac{4}{12}$	$\frac{3}{8}$

Lesson 6.7 Problem Solving**SHOW YOUR WORK**

Solve each problem. Show your work using fraction models.

- | | |
|--|------------------|
| <p>1. Three sisters had to wash the family car. Paula washed the front $\frac{1}{3}$ and Kelley washed the back $\frac{1}{3}$ of the car. Mandy didn't show up to wash her part of the car. How much of the car was washed?</p> <p>_____ of the car was washed.</p> | <p>1.</p> |
| <p>2. Autumn has a bag of apples to feed her horses. If she feeds $\frac{2}{4}$ of the bag to her favorite horse and $\frac{1}{4}$ to the new foal, how much of the bag is left to feed the other horses?</p> <p>_____ of a bag of apples is left for the other horses.</p> | <p>2.</p> |
| <p>3. The library received $\frac{3}{5}$ of its book order. The next day, it received $\frac{1}{5}$ of the order. How much of the book order does the library have?</p> <p>The library has _____ of the book order.</p> | <p>3.</p> |

Solve each problem. Show your work using equations.

- | | |
|---|------------------|
| <p>4. A group of friends went to the movies. In the lobby, $\frac{4}{8}$ of the group decided to see a comedy and $\frac{2}{8}$ decided to see a mystery. How much of the group wanted to see either a comedy or a mystery?</p> <p>_____ of the group wanted to see a comedy or a mystery.</p> | <p>4.</p> |
| <p>5. In the school cafeteria, $\frac{2}{7}$ of the students were fourth-graders and $\frac{3}{7}$ of the students were fifth-graders. How many students were from the fourth and fifth grades?</p> <p>_____ of the students were from the fourth and fifth grades.</p> | <p>5.</p> |

Lesson 6.8 Understanding Decimals to Tenths



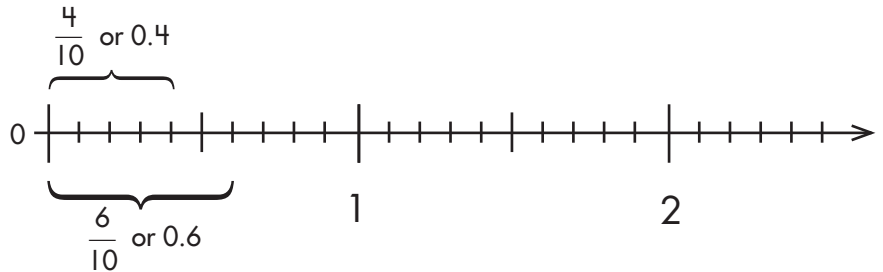
$\frac{4}{10}$ of the box is shaded.

$\frac{4}{10} =$ four tenths $= 0.4$

$\frac{6}{10}$ of the box is unshaded.

$\frac{6}{10} =$ six tenths $= 0.6$

Locate on a number line.



Write the decimal and fraction for each box.

a

b

c

1.



_____ or _____

_____ or _____

_____ or _____

Write the decimal equivalent to the given fraction.

a

b

c

d

2.

$$\frac{2}{10} = \underline{\hspace{2cm}}$$

$$\frac{6}{10} = \underline{\hspace{2cm}}$$

$$\frac{9}{10} = \underline{\hspace{2cm}}$$

$$\frac{4}{10} = \underline{\hspace{2cm}}$$

3.

$$\frac{3}{100} = \underline{\hspace{2cm}}$$

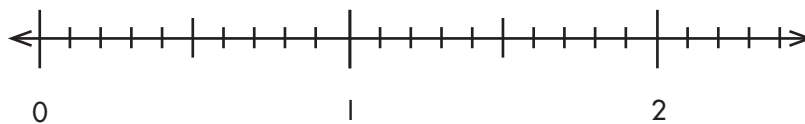
$$\frac{4}{1,000} = \underline{\hspace{2cm}}$$

$$\frac{8}{100} = \underline{\hspace{2cm}}$$

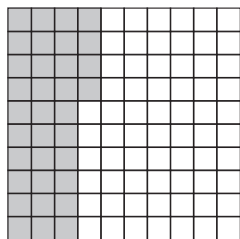
$$\frac{5}{1,000} = \underline{\hspace{2cm}}$$

Locate $\frac{2}{10}$ and 0.8 on the number line.

4.



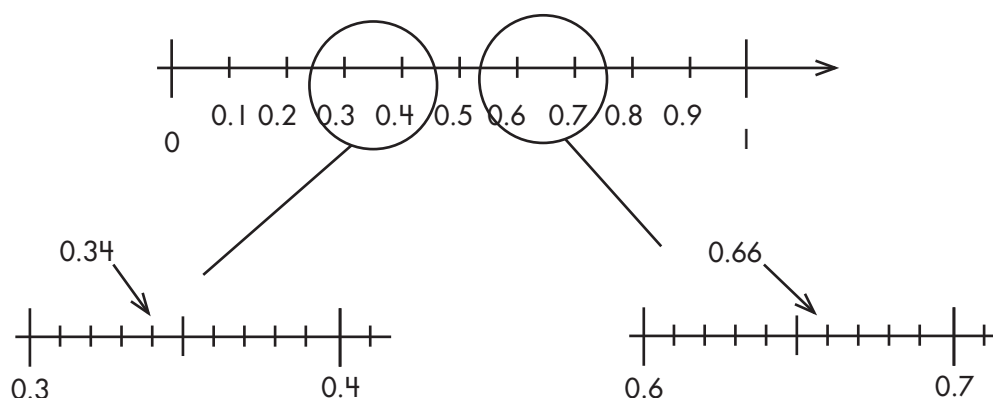
Lesson 6.9 Understanding Decimals to Hundredths



$\frac{34}{100}$ of the box is shaded. $\frac{34}{100} =$ four tenths $= 0.34$

$\frac{66}{100}$ of the box is unshaded. $\frac{6}{100} =$ six tenths $= 0.66$

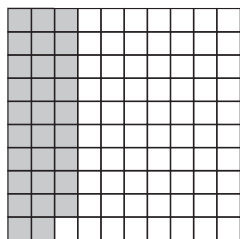
Locate on a number line.



Write the decimal and fraction for each box.

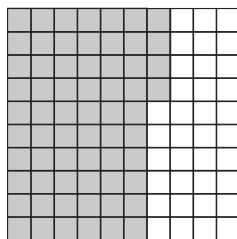
1.

a



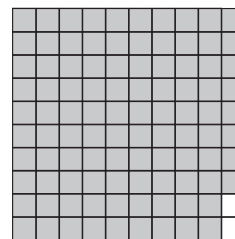
_____ or _____

b



_____ or _____

c



_____ or _____

Locate $\frac{47}{100}$ and 0.83 on the number line.

2.

