

Homework & Practice 9-6

Add and Subtract Fractions with Like Denominators

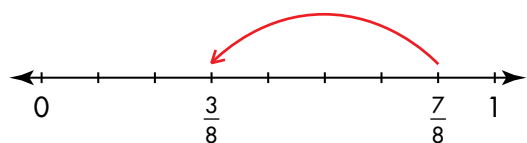
Another Look!

There were 7 slices remaining of an apple pie divided into eighths. Katie and her 3 friends each ate a slice of the remaining pie. Calculate $\frac{7}{8} - \frac{4}{8}$ to find how much of the apple pie is now left.



Subtract to find how much of the pie is left.

What You Show



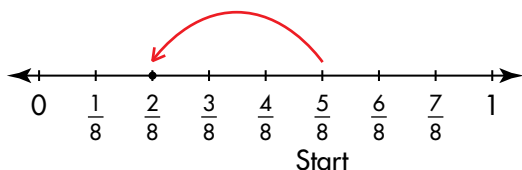
What You Write

$$\frac{7}{8} - \frac{4}{8} = \frac{3}{8}$$

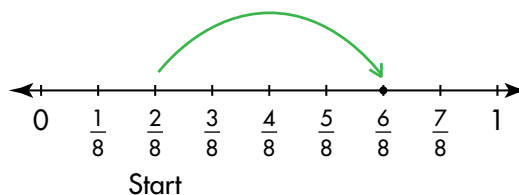
$\frac{3}{8}$ of the pie is left.

For 1–4, write the equation shown by each number line.

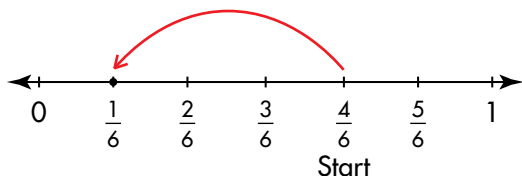
1.



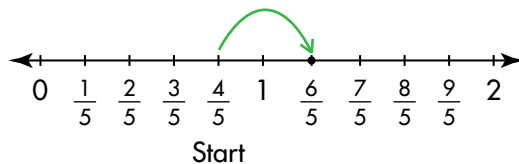
2.



3.



4.



For 5–13, add or subtract the fractions. Use a number line if needed.

5. $\frac{2}{6} + \frac{1}{6}$

6. $\frac{7}{12} - \frac{2}{12}$

7. $\frac{1}{8} + \frac{5}{8}$

8. $\frac{1}{4} + \frac{3}{4}$

9. $\frac{9}{10} - \frac{3}{10}$

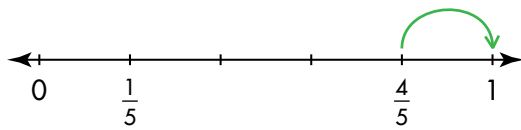
10. $\frac{2}{3} + \frac{3}{3}$

11. $\frac{4}{5} + \frac{3}{5}$

12. $\frac{9}{8} - \frac{6}{8}$

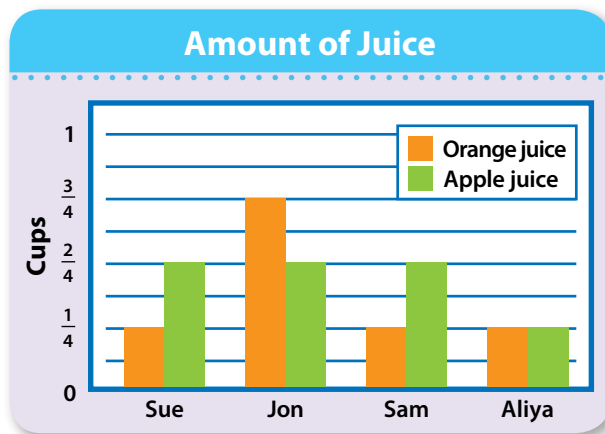
13. $\frac{1}{3} + \frac{5}{3}$

14. Robbie drew the number line below to find $\frac{4}{5} - \frac{1}{5}$. Explain why Robbie is incorrect.



15. **MP.2 Reasoning** Kayla used $\frac{4}{10}$ of her allowance to buy yogurt and $\frac{5}{10}$ to go skating. What fraction of her allowance does Kayla have left? Explain.

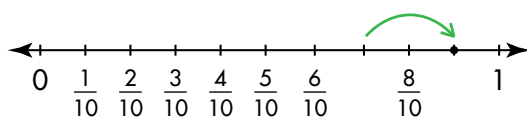
16. Which child drank the most juice? How much juice did that child drink?



17. **Higher Order Thinking** Sofia bought bananas, cereal, and milk at the store. She spent all of her money. She spent $\frac{3}{10}$ of her money on bananas and $\frac{4}{10}$ on cereal. What fraction of her money did Sofia spend on milk? Write and solve equations.

Common Core Assessment

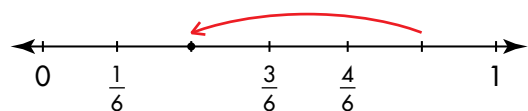
18. Val's construction team was supposed to build a frame $\frac{7}{10}$ meter long. They ended up building the frame $\frac{2}{10}$ meter too long. How long was the frame Val's team built? Use each fraction from the box once to fill in the missing numbers on the number line.



Start

$\frac{2}{10}$ $\frac{7}{10}$ $\frac{9}{10}$

19. Corinne ran $\frac{5}{6}$ mile from the start of the trail, turned around and ran $\frac{3}{6}$ mile back. How far is Corinne from the start of the trail? Use each fraction from the box once to fill in the missing numbers on the number line.



Start

$\frac{2}{6}$ $\frac{3}{6}$ $\frac{5}{6}$