

Chapter 4 Rational Numbers

Lesson 4-3 Add and Subtract Like Fractions

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5 Find $-\frac{3}{4} + \left(-\frac{3}{4}\right)$.

$$-\frac{3}{4} + \left(-\frac{3}{4}\right) = \frac{-3}{4} + \left(\frac{-3}{4}\right)$$

Rewrite each fraction.

$$= \frac{-3 + (-3)}{4}$$

Add the numerators.

$$= \frac{-6}{4}$$

Use the rules for adding integers.

$$= -\frac{3}{2} \text{ or } -1\frac{1}{2}$$

Simplify. Write as a mixed number.

7 In Mr. Navarro's first period class, $\frac{17}{28}$ of the students got an A on their math test. In his second period class, $\frac{11}{28}$ of the students got an A. What fraction more of the students got an A in Mr. Navarro's first period class than in his second period class? Write in simplest form.

Subtract the fraction of students who got an A in second period from the fraction of students who got an A in first period.

$$\frac{17}{28} - \frac{11}{28} = \frac{17-11}{28}$$

$$= \frac{6}{28}$$

$$= \frac{3}{14}$$

So, $\frac{3}{14}$ more of the students got an A in Mr. Navarro's first period class than in his second period class.