

**Pre-Algebra**  
**Worksheet 5: Fractions III**

In problems below, multiply rational numbers and simplify the result.

(1)  $\frac{3}{5} \times \frac{3}{4}$

(2)  $\frac{1}{2} \times \frac{5}{16}$

(3)  $-\frac{4}{3} \times \frac{5}{8}$

(4)  $\frac{14}{6} \times \left(-\frac{5}{16}\right)$

(5)  $-4\frac{4}{6} \times \left(2\frac{2}{3}\right)$

In problems below, find the value of x and simplify the result.

(6)  $x = \left(\frac{1}{2} + \frac{3}{4}\right) \times \frac{2}{5}$

(7)  $x = \frac{3}{8} \times (6 - 7)$

In problems below, divide rational numbers and simplify the result.

(8)  $\frac{3}{5} \div \frac{1}{5}$