# Rational numbers and operations

Name_____ Class_____ Date_____

**1** **Add** the rational numbers:

$\frac{8x}{6} + \frac{4x}{6} =$

A $\frac{13x}{6}$ C $2x$

B $\frac{11x}{6}$ D $x$

**2** **Add** the rational numbers:

$\frac{3}{9x} + \frac{5}{9x} =$

A $\frac{8}{18x}$ C $\frac{2}{9x}$

B $\frac{2}{18x}$ D $\frac{8}{9x}$

**3** **Add** the rational numbers:

$\frac{5}{x} + \frac{3}{4} =$

**4** **Subtract** the rational numbers:

$\frac{7x}{12} - \frac{6x}{12} =$




**5**

**7**

$(\frac{-7}{8})(\frac{10}{11}) =$

A $\frac{-70}{88}$ C $\frac{77}{80}$

B $\frac{-77}{80}$ D $\frac{70}{88}$

$(6)(\frac{8y}{12}) =$

A $3y$ C $\frac{y}{9}$

B $4y$ D $\frac{54y}{12}$

**9** **Multiply** the rational numbers and simplify to lowest terms:

$(\frac{-3}{7})(\frac{4x}{6}) =$

A $\frac{-x}{4}$ C $\frac{-2x}{7}$

B $\frac{x}{4}$ D $\frac{2x}{7}$

**10** Jared divided $\frac{5}{6} \div \frac{5}{8}$. His answer of $\frac{6}{8}$ is correct.

True or false?

A true
B false

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