Simplify Expressions Worksheets

Simplify by multiplying and dividing.

$$\frac{x}{3} \times \frac{y}{4}$$

$$\frac{xy}{2} \times \frac{5x}{3}$$

$$\frac{x}{3} \times \frac{x}{4}$$

$$\frac{5x}{2} \times \frac{5x}{2}$$

$$\frac{x}{y} \times \frac{2y}{x}$$

$$\frac{2x}{3} \times \frac{5}{y}$$

$$5y \times \frac{2x}{5}$$

$$\frac{x}{6} \times \frac{3}{2x}$$

$$\frac{xy}{3} \times \frac{x}{y}$$

$$4 \times \frac{2x}{3}$$

$$\frac{2x}{4} \times \frac{3y}{4}$$

$$\frac{5x}{2} \times \frac{4x}{10}$$

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Simplify by multiplying and dividing.

$\dfrac{x}{3} \times \dfrac{y}{4}$

$= \dfrac{xy}{12}$

$\dfrac{5x}{2} \times \dfrac{5x}{2}$

$= \dfrac{25x^2}{4}$

$5y \times \dfrac{2x}{5}$

$= 2xy$

$4 \times \dfrac{2x}{3}$

$= \dfrac{8x}{3}$

$\dfrac{xy}{2} \times \dfrac{5x}{3}$

$= \dfrac{5x^2 y}{6}$

$\dfrac{x}{y} \times \dfrac{2y}{x}$

$= 2$

$\dfrac{x}{6} \times \dfrac{3}{2x}$

$= \dfrac{1}{4}$

$\dfrac{2x}{4} \times \dfrac{3y}{4}$

$= \dfrac{3xy}{8}$

$\dfrac{x}{3} \times \dfrac{x}{4}$

$= \dfrac{x^2}{12}$

$\dfrac{2x}{3} \times \dfrac{5}{y}$

$= \dfrac{10x}{3y}$

$\dfrac{xy}{3} \times \dfrac{x}{y}$

$= \dfrac{x^2}{3}$

$\dfrac{5x}{2} \times \dfrac{4x}{10}$

$= x^2$

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