

1. Remove parentheses:

a. $2 \cdot (11x - 7y) = \underline{\hspace{2cm}}$

b. $(5y - 7x) \cdot 3 = \underline{\hspace{2cm}}$

b). $(3w + 1) \cdot 3 = \underline{\hspace{2cm}}$

d. $4 \cdot (3 - 2w) = \underline{\hspace{2cm}}$

c). $(2x + 3) \cdot 2 + 1 = \underline{\hspace{2cm}}$

2. Show that ...

a. $2 \cdot (11x - 7y) + (5y - 7x) \cdot 3 = x + y$

b. $(3w + 1) \cdot 3 + 4 \cdot (3 - 2w) = 15 + w$

3. Find ...

$\frac{3}{4}$ of 28 is

$\frac{7}{11}$ of 55 is

$\frac{3}{5}$ of 30 is

4. Calculate:

$\frac{1}{8} + \frac{3}{8} =$

$\frac{2}{7} + \frac{3}{7} =$

$\frac{1}{9} + \frac{2}{9} =$

5. Simplify:

$\frac{4}{20} =$

$\frac{6}{8} =$

$\frac{12}{18} =$

$\frac{10}{35} =$

$\frac{12}{60} =$

6. Expand where necessary to make denominators like to compare ($>$, $<$, or $=$):

$\frac{4}{5} \square \frac{3}{7}$

$\frac{11}{16} \square \frac{5}{12}$

$\frac{7}{12} \square \frac{5}{9}$

7. Calculate:

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

$$\frac{2}{5} + \frac{3}{8} =$$

$$\frac{5}{12} - \frac{1}{4} =$$

$$\frac{3}{5} - \frac{3}{8} =$$

8. Calculate:

$$2 \times 3 =$$

$$6 \times (-2) =$$

$$4 \times 5 =$$

$$4 \times (-5) =$$

$$(-2) \times 3 =$$

$$2 \times (-6) =$$

$$(-4) \times 5 =$$

$$(-3) \times (-5) =$$

9. Solve the equations in your notebook:

$$\frac{1}{5}x = 6$$

$$\frac{2}{7}y = 8$$

$$\frac{3}{11}w = 12$$

10. Solve the equations in your notebook:

$$8 - \frac{1}{5}x = 2$$

$$\frac{1}{5}x + 7 = 9$$