

Simplify Expressions with Fractions 2

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Add or subtract as indicated. Write the answer in simplest form.

1)  $\frac{1}{10} + \frac{1}{20} + \frac{m}{40}$

1) \_\_\_\_\_

2)  $\frac{7y}{56} - \frac{6}{7}$

2) \_\_\_\_\_

3)  $\frac{7x}{12} + \frac{4x}{9}$

3) \_\_\_\_\_

4)  $\frac{3}{10} + \frac{3}{5x}$

4) \_\_\_\_\_

5)  $\frac{x}{4} + \frac{x}{8} + \frac{2x}{16}$

5) \_\_\_\_\_

6)  $\frac{6x}{5} + \frac{3x}{4} - \frac{3}{10}$

6) \_\_\_\_\_

7)  $\frac{13y}{15} + \frac{12}{17}$

7) \_\_\_\_\_

8)  $8 - \frac{y}{11}$

8) \_\_\_\_\_

9)  $\frac{2p}{21} + \frac{4}{15}$

9) \_\_\_\_\_

10)  $\frac{11w}{17} + \frac{7}{8}$

10) \_\_\_\_\_

Evaluate the expression for the given replacement values. Write the answer in simplest form.

11)  $-2x + y$  for  $x = \frac{7}{20}, y = -\frac{4}{5}$

11) \_\_\_\_\_

12)  $x - y$  for  $x = \frac{5}{6}, y = \frac{2}{4}$

12) \_\_\_\_\_

13)  $x \div y$  for  $x = \frac{4}{12}, y = \frac{16}{3}$

13) \_\_\_\_\_

14)  $xy$  for  $x = \frac{24}{48}, y = \frac{16}{18}$

14) \_\_\_\_\_

Answer Key

Testname: EVALUATEEXPRESSIONSWITHFRACTIONS

1)  $\frac{6 + m}{40}$

2)  $\frac{7y - 48}{56}$

3)  $\frac{37x}{36}$

4)  $\frac{3x + 6}{10x}$

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

6)  $\frac{39x - 6}{20}$

7)  $\frac{221y + 180}{255}$

8)  $\frac{88 - y}{11}$

9)  $\frac{10p + 28}{105}$

10)  $\frac{88w + 119}{136}$

11)  $-\frac{3}{2}$

12)  $\frac{1}{3}$

13)  $\frac{1}{16}$

14)  $\frac{4}{9}$