

Simplify Expressions with Fractions 3

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)  $\frac{-4y}{13} + \frac{9}{16}$

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

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

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

3)  $\frac{-3g}{17} + \frac{15}{19}$

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

4)  $\frac{1}{4} + \frac{1}{8} + \frac{k}{16}$

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

5)  $\frac{7y}{49} - \frac{2}{7}$

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

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

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

7)  $\frac{6x}{7} + \frac{5x}{3} - \frac{5}{14}$

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

8)  $\frac{3}{35} + \frac{8}{5x}$

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

9)  $\frac{x}{4} + \frac{x}{12} + \frac{2x}{24}$

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

10)  $5 - \frac{y}{14}$

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

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

11)  $x - y$  for  $x = \frac{7}{9}, y = \frac{4}{7}$

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

12)  $-4x + y$  for  $x = -\frac{7}{20}, y = -\frac{5}{8}$

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

13)  $x \div y$  for  $x = \frac{15}{20}, y = \frac{75}{12}$

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

14)  $xy$  for  $x = \frac{6}{60}, y = \frac{12}{8}$

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

Answer Key

Testname: EVALUATEEXPRESSIONSWITHFRACTIONS

1)  $\frac{-64y + 117}{208}$

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

3)  $\frac{-57g + 255}{323}$

4)  $\frac{6 + k}{16}$

5)  $\frac{7y - 14}{49}$

6)  $\frac{14p + 20}{105}$

7)  $\frac{106x - 15}{42}$

8)  $\frac{3x + 56}{35x}$

9)  $\frac{5x}{12}$

10)  $\frac{70 - y}{14}$

11)  $\frac{13}{63}$

12)  $\frac{31}{40}$

13)  $\frac{3}{25}$

14)  $\frac{3}{20}$