

## Simple Fractions with Operation and Comparison Signs

### Activity

Write the following problems involving simple fractions using a horizontal fraction line and number each problem.

1.  $\frac{1}{5} + \frac{4}{5}$  one-fifth plus four-fifths

Answer: 

2.  $\frac{7}{12} \cdot \frac{3}{7}$  seven-twelfths times (multiplication dot) three-sevenths

Answer: 

3.  $\frac{6}{7} - \frac{5}{14}$  six-sevenths minus five-fourteenths

Answer: 

4.  $\frac{4}{9} \div \frac{2}{9}$  four-ninths divided by two-ninths

Answer: 

5.  $\frac{32}{85} \times \frac{17}{8}$

open fraction  $\frac{32}{85}$  close fraction times  
(multiplication cross)  $\frac{17}{8}$

Answer: 

6.  $\frac{2}{x} \div \frac{6}{x}$

open fraction two over x close fraction divided by open fraction six over x close fraction

Answer: 

7.  $\frac{y}{z} \cdot \frac{z}{x}$

open fraction y over z close fraction times (multiplication dot) open fraction z over x close fraction

Answer: 

8.  $\frac{p-q}{p+q} + \frac{q-p}{p+q}$

$$\frac{p - q}{p + q} + \frac{q - p}{p + q}$$

Answer: 

9.  $\frac{5}{6} > \frac{1}{6}$  Five-sixths is greater than one-sixth.

Answer:    

10.  $\frac{3}{4} = \frac{75}{100}$  Three-fourths equals seventy-five hundredths.

Answer: 

11.  $\frac{4}{7} < \frac{572}{1000}$

Four-sevenths is less than five hundred seventy-two thousandths.

Answer: 

12.  $\frac{3-2}{4} - \frac{1}{4} = 0$

Open fraction three minus two over four close fraction minus one-fourth equals zero.

Answer: 


13.  $\frac{24}{25} \div \frac{12}{50} < \frac{9}{2}$

Twenty-four twenty-fifths divided by twelve-fiftieths is less than nine-halves.

Answer: 

14.  $\frac{3x^3}{x^3} = \frac{3y^3}{y^3}$

Open fraction three x cubed over x cubed close fraction equals open fraction three y cubed over y cubed close fraction.

Answer: 

15.  $\frac{4y}{7y} < \frac{9y}{14y}$

Open fraction four y over seven y close fraction is less than open fraction nine y over fourteen y close fraction.

Answer: 

16.  $\frac{5z}{z+1} > \frac{7z-4}{z+1}$

Open fraction five z over z plus 1 close fraction is greater than open fraction seven z minus four over z plus one close fraction.

Answer: 