

## 10B - Dividing Fractions

1) Dividing always makes numbers smaller. True or False? \_\_\_\_\_

2) a)  $10 \div \frac{1}{2} =$

b)  $5 \div \frac{1}{2} =$

c)  $8 \div \frac{1}{2} =$

d) Does dividing by  $\frac{1}{2}$  make a number smaller or bigger? \_\_\_\_\_

3) a)  $10 \times \frac{1}{2} =$

b)  $5 \times \frac{1}{2} =$

c)  $8 \times \frac{1}{2} =$

d) Does multiplying by  $\frac{1}{2}$  make a number smaller or bigger? \_\_\_\_\_

**Find each quotient.**

4)  $\frac{2}{3} \div \frac{5}{4}$

5)  $\frac{5}{3} \div \frac{1}{2}$

6)  $\frac{5}{7} \div \frac{12}{7}$

7)  $\frac{-1}{8} \div \frac{-2}{3}$

8)  $\frac{1}{5} \div -2\frac{1}{2}$

9)  $4\frac{1}{6} \div \frac{3}{2}$

10)  $8 \div \frac{-1}{2}$

11)  $\frac{-3}{7} \div 5$

**Compute the following.**

12)  $\frac{2}{7} + \frac{1}{2}$

13)  $\frac{1}{9} \div \frac{1}{5}$

14)  $-\frac{11}{9} \times \frac{3}{2}$

15)  $2\frac{1}{3} - \frac{5}{6}$