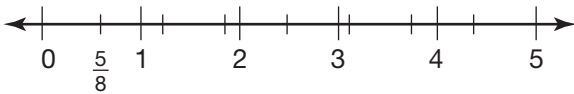


# Fractions and Division

You can think of fractions as division: The numerator is the same as the dividend and the denominator is the same as the divisor.

**Write  $\frac{5}{8}$  as a division expression.**

Think:  $\frac{1}{8}$  of 5 wholes.

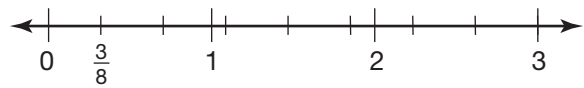


**Shortcut:** The numerator is 5, so the dividend is 5. The denominator is 8, so the divisor is 8.

So  $\frac{5}{8} = 5 \div 8$ .

**Write  $3 \div 8$  as a fraction.**

Think: 3 wholes divided into 8 equal parts. Each part is equal to  $\frac{3}{8}$ .

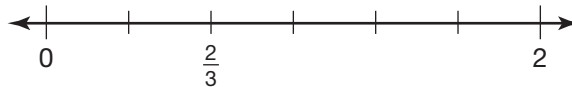


**Shortcut:** The dividend is 3, so the numerator is 3. The divisor is 8, so the denominator is 8.

So  $3 \div 8 = \frac{3}{8}$ .

Write a division expression for each fraction.

1.  $\frac{2}{3}$  \_\_\_\_\_



2.  $\frac{3}{7}$  \_\_\_\_\_

3.  $\frac{7}{13}$  \_\_\_\_\_

4.  $\frac{7}{10}$  \_\_\_\_\_

5.  $\frac{5}{8}$  \_\_\_\_\_

6.  $\frac{3}{19}$  \_\_\_\_\_

7.  $\frac{13}{17}$  \_\_\_\_\_

Write each division expression as a fraction.

8.  $3 \div 8$  \_\_\_\_\_

9.  $3 \div 14$  \_\_\_\_\_

10.  $7 \div 9$  \_\_\_\_\_

11.  $4 \div 5$  \_\_\_\_\_

12.  $9 \div 10$  \_\_\_\_\_

13.  $13 \div 16$  \_\_\_\_\_

14. Explain how to write *thirteen divided by thirty-three* as a division expression and as a fraction.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

# Fractions and Division

Write a division expression for each fraction.

1.  $\frac{2}{9}$  \_\_\_\_\_      2.  $\frac{1}{7}$  \_\_\_\_\_      3.  $\frac{7}{10}$  \_\_\_\_\_

4.  $\frac{3}{4}$  \_\_\_\_\_      5.  $\frac{7}{8}$  \_\_\_\_\_      6.  $\frac{3}{16}$  \_\_\_\_\_

7.  $\frac{6}{13}$  \_\_\_\_\_      8.  $\frac{18}{23}$  \_\_\_\_\_      9.  $\frac{11}{12}$  \_\_\_\_\_

Write each division expression as a fraction.

10.  $3 \div 8$  \_\_\_\_\_      11.  $3 \div 16$  \_\_\_\_\_      12.  $6 \div 11$  \_\_\_\_\_

13.  $2 \div 7$  \_\_\_\_\_      14.  $4 \div 10$  \_\_\_\_\_      15.  $5 \div 17$  \_\_\_\_\_

16.  $4 \div 9$  \_\_\_\_\_      17.  $13 \div 23$  \_\_\_\_\_      18.  $17 \div 100$  \_\_\_\_\_

19. Which term is any number that can be shown as the quotient of two integers?

- A Rational number
- B Prime number
- C Decimal number
- D Compatible number

20. Steve wanted to equally divide two sticks of butter among three bowls. Which fraction represents the amount of butter in each bowl?

- A  $\frac{5}{2}$
- B  $\frac{2}{3}$
- C  $\frac{3}{2}$
- D  $\frac{3}{6}$

21. Can the division expression  $4 \div 15$  be shown as a fraction? If yes, write the fraction. Explain why or why not.

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