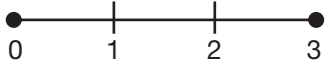


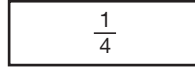
# Understanding Division of Fractions

Solve each division sentence using the models provided.

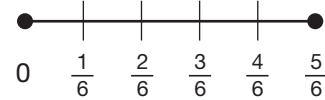
1.  $3 \div \frac{1}{3} =$  \_\_\_\_\_



2.  $\frac{1}{4} \div 6 =$  \_\_\_\_\_



3.  $\frac{5}{6} \div \frac{1}{6} =$  \_\_\_\_\_



Find each quotient. Simplify if possible.

4.  $8 \div \frac{1}{4} =$  \_\_\_\_\_

5.  $\frac{1}{7} \div 4 =$  \_\_\_\_\_

6.  $5 \div \frac{1}{2} =$  \_\_\_\_\_

7.  $\frac{7}{8} \div \frac{1}{8} =$  \_\_\_\_\_

8.  $\frac{11}{12} \div \frac{1}{12} =$  \_\_\_\_\_

9.  $\frac{1}{12} \div 3 =$  \_\_\_\_\_

10.  $6 \div \frac{2}{3} =$  \_\_\_\_\_

11.  $7 \div \frac{1}{3} =$  \_\_\_\_\_

12.  $\frac{15}{16} \div \frac{1}{16} =$  \_\_\_\_\_

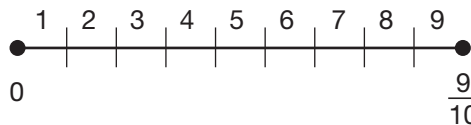
13. **Draw a Picture** Olivia has a piece of ribbon  $\frac{1}{2}$  yard long. If she cuts it into 6 equal pieces, what will be the length of each piece, in yards?

---

14. **Geometry** A regular polygon has a perimeter of 12 units. If each side measures  $\frac{3}{4}$  unit, how many sides does the polygon have?

---

15. Which division expression is shown by this model?



A  $\frac{9}{10} \div \frac{1}{10}$

B  $1 \div \frac{1}{10}$

C  $\frac{9}{10} \div 1$

D  $10 \div \frac{9}{10}$

16. **Writing to Explain** When you divide a whole number by a fraction less than 1, will the quotient be greater than or less than the whole number? Explain, and give an example.

---



---



---