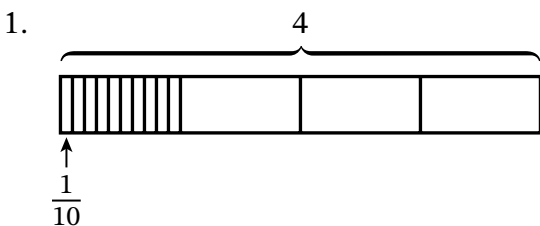
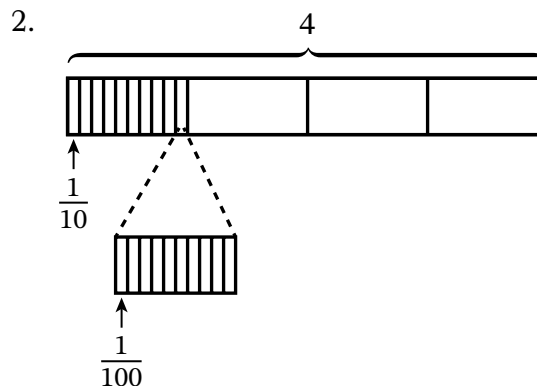




Name \_\_\_\_\_

Date \_\_\_\_\_

Use the tape diagrams to complete the statements.

\_\_\_\_\_ groups of  $\frac{1}{10}$  make 1.\_\_\_\_\_ groups of  $\frac{1}{10}$  make 4.\_\_\_\_\_ groups of  $\frac{1}{100}$  make 1.\_\_\_\_\_ groups of  $\frac{1}{100}$  make 4.

Write the divisor as a fraction. Complete the statements to help you divide. Then divide.

3.  $3 \div 0.1 = 3 \div \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

\_\_\_\_\_ groups of  $\frac{1}{10}$  make 1.\_\_\_\_\_ groups of  $\frac{1}{10}$  make 3.

$$3 \div 0.1 = \underline{\hspace{2cm}}$$

4.  $3.4 \div 0.1 = 3.4 \div \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

\_\_\_\_\_ groups of  $\frac{1}{10}$  make 3.\_\_\_\_\_ groups of  $\frac{1}{10}$  make 0.4.\_\_\_\_\_ groups of  $\frac{1}{10}$  make 3.4.

$$3.4 \div 0.1 = \underline{\hspace{2cm}}$$

5.  $8 \div 0.01 = 8 \div \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

\_\_\_\_\_ groups of  $\frac{1}{100}$  make 1.

\_\_\_\_\_ groups of  $\frac{1}{100}$  make 8.

$8 \div 0.01 = \underline{\hspace{2cm}}$

6.  $8.7 \div 0.01 = 8.7 \div \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

\_\_\_\_\_ groups of  $\frac{1}{100}$  make 8.

\_\_\_\_\_ groups of  $\frac{1}{100}$  make 0.7.

\_\_\_\_\_ groups of  $\frac{1}{100}$  make 8.7.

$8.7 \div 0.01 = \underline{\hspace{2cm}}$

7.  $26 \div 0.1 = 26 \div \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

\_\_\_\_\_ groups of  $\frac{1}{10}$  make 26.

$26 \div 0.1 = \underline{\hspace{2cm}}$

8.  $15.3 \div 0.01 = 15.3 \div \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

\_\_\_\_\_ groups of  $\frac{1}{100}$  make 15.3.

$15.3 \div 0.01 = \underline{\hspace{2cm}}$

9. Kelly incorrectly finds  $35.6 \div 0.1$ . Consider Kelly's way.

**Kelly's Way**

$$35.6 \div 0.1 = 3.56$$

- a. What mistake did Kelly make?

- b. What is  $35.6 \div 0.1$ ?

Rewrite the expression as a decimal number divided by a fraction. Then divide.

10.  $2.8 \div 0.1 =$  \_\_\_\_\_

11.  $9.25 \div 0.01 =$  \_\_\_\_\_

12.  $45.6 \div 0.1 =$  \_\_\_\_\_

13.  $5.1 \div 0.01 =$  \_\_\_\_\_

14.  $17 \div 0.1 =$  \_\_\_\_\_

15.  $32 \div 0.01 =$  \_\_\_\_\_

Use the Read–Draw–Write process to solve the problem.

16. Noah has a rope that is 6.5 meters long. He cuts the rope into pieces that are each 0.1 meter long. How many pieces of rope does Noah have now?