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 Name \_\_\_\_\_

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 Date \_\_\_\_\_

Circle the expression that could be used to solve each word problem.

1. Kayla and her 2 brothers share  $\frac{1}{2}$  of a pan of lasagna equally. What fraction of the pan of lasagna does each person get?

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

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

2. How many  $\frac{1}{4}$ -pound burgers can Mr. Evans make with 5 pounds of meat?

$$5 \div \frac{1}{4}$$

$$\frac{1}{4} \div 5$$

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In each pair, circle the description in which the pieces are longer. Explain how you know.

3. Rope A: 4-foot rope cut into fourths

- Rope B: 2-foot rope cut into fourths

Explain:

4. Rope C:  $\frac{1}{2}$ -foot rope cut into 4 equal pieces

- Rope D: 4-foot rope cut into  $\frac{1}{2}$ -foot pieces

Explain:

Use  $>$ ,  $=$ , or  $<$  to compare the expressions. Explain how you can compare the expressions without evaluating them.

5.  $\frac{1}{2} \div 3$  \_\_\_\_\_  $\frac{1}{10} \div 3$

Explain:

6.  $4 \div \frac{1}{5}$  \_\_\_\_\_  $\frac{1}{5} \div 4$

Explain:

7.  $4 \div 2$  \_\_\_\_\_  $4 \times \frac{1}{2}$

Explain:

8.  $\frac{1}{6} \div 2$  \_\_\_\_\_  $\frac{1}{6} \times \frac{1}{2}$

Explain:

9.  $4 \div \frac{1}{3}$  \_\_\_\_\_  $4 \div \frac{1}{4}$

Explain:

10.  $\frac{1}{8} \times 2$  \_\_\_\_\_  $\frac{1}{8} \div 2$

Explain:

11. Write the expressions in order from least to greatest. Then explain how you know which expression has the least value.

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

$$5 \div \frac{1}{5}$$

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

$$\frac{1}{5} \div 5$$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Explain:

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Consider the expression. Write a word problem that can be represented by the given expression.

12.  $5 \div \frac{1}{4}$

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13.  $\frac{1}{3} \div 4$