

NAME: \_\_\_\_\_

MONDAY  
NIGHT

Logan was asked to use mental math to find the value of the unknown in the equation to the right. Logan's solution is shown next to the equation.

equation

$$200 \div k = 4$$

Logan's  
solution

$$k = 800$$

When Logan shared his answer, a classmate said that it was unreasonable, but Logan didn't understand what made his answer unreasonable. Explain why Logan's answer of 800 is unreasonable for the value of  $k$ .

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$$\frac{1}{3} + \frac{1}{3}$$

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

$$\frac{2}{13} - \frac{2}{13}$$

$$\frac{7}{20} + \frac{1}{5}$$

$$\frac{1}{2} - \frac{3}{8}$$

$$\frac{7}{15} + \frac{1}{5}$$

**Felicia has some dolls. Imagine that  $F$  = the number of dolls Felicia has. Write an expression using  $F$  that can answer each question.**

What is half the number of dolls Felicia has? \_\_\_\_\_

What is thirty less dolls than Felicia has? \_\_\_\_\_

What is the number of Felicia's dolls that would be on one shelf if all the dolls were split equally among five shelves? \_\_\_\_\_

Rewrite each fraction as a division expression.

$$\frac{2}{3} = \underline{\hspace{2cm}}$$

$$\frac{10}{3} = \underline{\hspace{2cm}}$$

$$\frac{7}{10} = \underline{\hspace{2cm}}$$

Write a fraction that is equal to each division expression.

$$2 \div 9 = \underline{\hspace{2cm}}$$

$$15 \div 3 = \underline{\hspace{2cm}}$$

$$4 \div 12 = \underline{\hspace{2cm}}$$

A farmer gives each of his horses four sevenths of a salt lick a month. If he has six horses, how many salt licks does he use a month?

Each day a company used eight ninths of a box of paper. How many boxes would they have used after six days?

Maria needed five ninths of a cup of water for 1 flower. If she had two flowers how many cups would she need?

It takes five eighths of a box of nails to build a bird house. If you wanted to build seven bird houses, how many boxes would you need?