

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

THURSDAY  
NIGHT

Olivia was working with fraction equations in class. Olivia said, "Every time you multiply two fractions, the product is less than both of the factors."

Identify three equations from the EQUATION BANK that support Olivia's statement.

\_\_\_\_\_  
\_\_\_\_\_

Identify three equations from the EQUATION BANK that do not support Olivia's statement.

\_\_\_\_\_  
\_\_\_\_\_

### EQUATION BANK

$$\frac{3}{3} \times \frac{1}{8} = \frac{3}{24}$$

$$\frac{3}{4} \times \frac{2}{3} = \frac{1}{2}$$

$$\frac{4}{5} \times \frac{1}{4} = \frac{1}{5}$$

$$\frac{8}{2} \times \frac{3}{5} = 2\frac{1}{5}$$

$$\frac{3}{8} \times \frac{4}{1} = 1\frac{1}{2}$$

$$\frac{9}{10} \times \frac{4}{5} = \frac{9}{25}$$

$$\frac{7}{8} \times \frac{2}{2} = \frac{14}{16}$$

$$\frac{5}{12} \times \frac{8}{15} = \frac{2}{9}$$

Fill in the blanks to make each statement true.

7 tenths is  $\frac{1}{10}$  the size of 7 \_\_\_\_\_.

8 thousands is  $\frac{1}{10}$  the size of 8 \_\_\_\_\_.

Identify a number that is  $\frac{1}{10}$  the size of the number given.

800 \_\_\_\_\_

6 \_\_\_\_\_

0.02 \_\_\_\_\_

Circle the true equations.

$$0.08 = 0.8 \div 10$$

$$300 = 30,000 \div 10$$

$$0.7 = 7 \div 10$$

$$2 = 0.2 \div 10$$

$$0.9 = 0.09 \div 10$$

$$5,000 = 50,000 \div 10$$

Find the products for at least three of the problems in the first row and three problems in the second row.

$$\begin{array}{r} 832 \\ \times 7 \\ \hline \end{array}$$
$$\begin{array}{r} 221 \\ \times 7 \\ \hline \end{array}$$
$$\begin{array}{r} 950 \\ \times 4 \\ \hline \end{array}$$
$$\begin{array}{r} 856 \\ \times 7 \\ \hline \end{array}$$
$$\begin{array}{r} 1,518 \\ \times 3 \\ \hline \end{array}$$
$$\begin{array}{r} 5,371 \\ \times 5 \\ \hline \end{array}$$
$$\begin{array}{r} 9,250 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ \times 57 \\ \hline \end{array}$$
$$\begin{array}{r} 56 \\ \times 44 \\ \hline \end{array}$$
$$\begin{array}{r} 57 \\ \times 13 \\ \hline \end{array}$$
$$\begin{array}{r} 72 \\ \times 53 \\ \hline \end{array}$$
$$\begin{array}{r} 23 \\ \times 34 \\ \hline \end{array}$$
$$\begin{array}{r} 82 \\ \times 99 \\ \hline \end{array}$$

Look at the equations below. How could someone use the patterns shown in the first two equations to figure out the unknown product in the third equation?

$$3.498 \times 100 = 349.8$$

$$0.27 \times 100 = 27$$

$$16.537 \times 100 = ?$$

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