

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

TUESDAY  
NIGHT

Read each expression in the **EXPRESSION BANK** and decide whether the product of the two factors is *less than*  $\frac{3}{4}$ , *equal to*  $\frac{3}{4}$ , or *greater than*  $\frac{3}{4}$  without multiplying the factors. Write each expression in the appropriate column of the chart.

EXPRESSION BANK	product < $\frac{3}{4}$	product = $\frac{3}{4}$	product > $\frac{3}{4}$
$\frac{3}{4} \times 2$ $\frac{3}{4} \times \frac{2}{3}$ $\frac{2}{2} \times \frac{3}{4}$ $\frac{3}{4} \times \frac{6}{2}$ $\frac{3}{4} \times \frac{9}{10}$ $\frac{1}{8} \times \frac{3}{4}$ $\frac{3}{4} \times \frac{5}{5}$			

Identify a number that is 10 times the size of the number given.

70 \_\_\_\_\_

0.06 \_\_\_\_\_

0.8 \_\_\_\_\_

Fill in the blanks to make each statement true.

4 ones is ten times the size of 4 \_\_\_\_\_.

9 hundredths is ten times the size of 9 \_\_\_\_\_.

Circle the true equations.

0.5 = 5 x 10

8,000 = 800 x 10

0.07 = 0.007 x 10

900 = 90 x 10

3 = 0.03 x 10

0.4 = 4 x 10

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

$$\begin{array}{r} 173 \\ \times 9 \\ \hline \end{array}$$
$$\begin{array}{r} 603 \\ \times 7 \\ \hline \end{array}$$
$$\begin{array}{r} 549 \\ \times 7 \\ \hline \end{array}$$
$$\begin{array}{r} 578 \\ \times 8 \\ \hline \end{array}$$
$$\begin{array}{r} 8,498 \\ \times 4 \\ \hline \end{array}$$
$$\begin{array}{r} 1,937 \\ \times 2 \\ \hline \end{array}$$
$$\begin{array}{r} 9,261 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ \times 22 \\ \hline \end{array}$$
$$\begin{array}{r} 24 \\ \times 93 \\ \hline \end{array}$$
$$\begin{array}{r} 44 \\ \times 42 \\ \hline \end{array}$$
$$\begin{array}{r} 35 \\ \times 41 \\ \hline \end{array}$$
$$\begin{array}{r} 45 \\ \times 80 \\ \hline \end{array}$$
$$\begin{array}{r} 60 \\ \times 12 \\ \hline \end{array}$$

Look at the set of multiplication equations in the box to the right.

Use your knowledge of place value to describe the patterns in the factors and products in the equations.

$3.498 \times 10 = 34.98$
$3.498 \times 100 = 349.8$
$3.498 \times 1,000 = 3,498$
$3.498 \times 10,000 = 34,980$

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