

Name

Date



MULTIPLICATION: 4-DIGITS BY 1-DIGIT CHALLENGE 2

1) Use the digits: 5, 6, 7, 8 and 9 in the spaces below to make the **largest possible answer**. Remember to record the answer!

$$\begin{array}{|c|c|c|c|} \hline & & & \\ \hline \end{array} \times \begin{array}{|c|} \hline \\ \hline \end{array}$$

Is as large as possible.

2) Use the digits: 5, 6, 7, 8 and 9 in the spaces below to make **smallest possible answer**. Remember to record the answer!

$$\begin{array}{|c|c|c|c|} \hline & & & \\ \hline \end{array} \times \begin{array}{|c|} \hline \\ \hline \end{array}$$

Is as small as possible.

3) Use the digits: 5, 6, 7, 8 and 9 in the spaces below to make the answer 16,320.

$$\begin{array}{|c|c|c|c|} \hline & & & \\ \hline \end{array} \times \begin{array}{|c|} \hline \\ \hline \end{array} = \begin{array}{|c|c|c|c|} \hline 4 & 7 & 9 & 1 & 0 \\ \hline \end{array}$$

Hint: the single-digit multiplier is an even number.

Name

Date



MULTIPLICATION: 4-DIGITS BY 1-DIGIT CHALLENGE 2

ANSWERS

1) Use the digits: 5, 6, 7, 8 and 9 in the spaces below to make the **largest possible answer**.

$$\begin{array}{|c|c|c|c|} \hline 8 & 7 & 6 & 5 \\ \hline \end{array} \times \begin{array}{|c|} \hline 9 \\ \hline \end{array} = \begin{array}{|c|c|c|c|c|} \hline 7 & 8 & 8 & 8 & 5 \\ \hline \end{array}$$

2) Use the digits: 5, 6, 7, 8 and 9 in the spaces below to make **smallest possible answer**.

$$\begin{array}{|c|c|c|c|} \hline 6 & 7 & 8 & 9 \\ \hline \end{array} \times \begin{array}{|c|} \hline 5 \\ \hline \end{array} = \begin{array}{|c|c|c|c|c|} \hline 3 & 3 & 9 & 4 & 5 \\ \hline \end{array}$$

3) Use the digits: 5, 6, 7, 8 and 9 in the spaces below to make the answer 16,320.

$$\begin{array}{|c|c|c|c|} \hline 7 & 9 & 8 & 5 \\ \hline \end{array} \times \begin{array}{|c|} \hline 6 \\ \hline \end{array} = \begin{array}{|c|c|c|c|c|} \hline 4 & 7 & 9 & 1 & 0 \\ \hline \end{array}$$