

TOPIC H

Study Guide

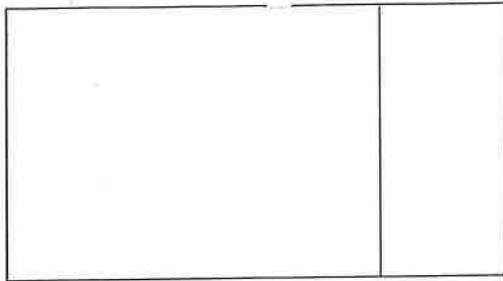
Name _____

Learning Target: Uses place value understanding and properties of operations to perform multi-digit arithmetic.

Draw an area model to represent the following expressions in standard form.

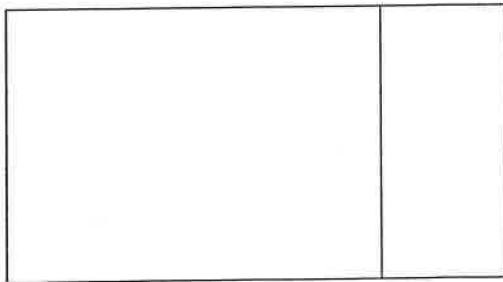
Record the partial products vertically and solve.

1. 70×41



$$\begin{array}{r} \times \\ \hline \end{array}$$

2. 60×32



$$\begin{array}{r} \times \\ \hline \end{array}$$

Solve using partial products.

3. 20×49

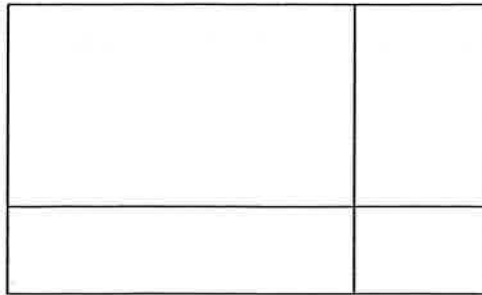
$$\begin{array}{r} \times \\ \hline \end{array}$$

4. 30×27

$$\begin{array}{r} \times \\ \hline \end{array}$$

5. Draw an area model to solve. Record the partial products vertically and solve.

$$35 \times 41$$



$$\begin{array}{r} \times \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ + \\ \hline \end{array}$$

Solve using four partial products.

6.

$$22 \times 16$$

$$\begin{array}{r} \times \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ + \\ \hline \end{array}$$

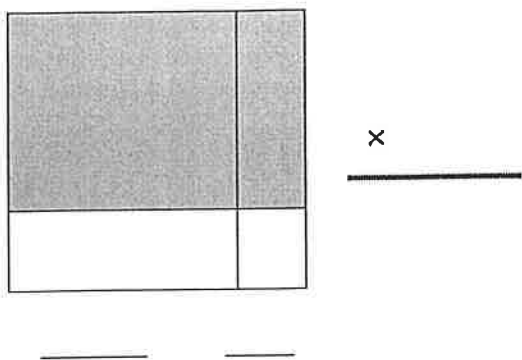
7.

$$36 \times 12$$

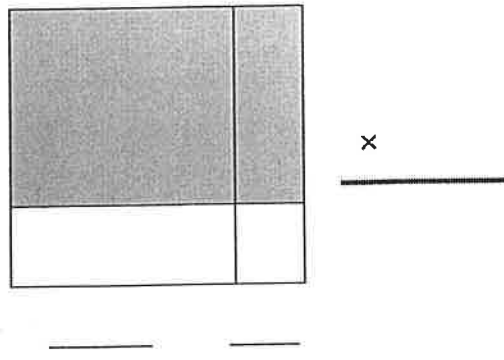
$$\begin{array}{r} \times \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ + \\ \hline \end{array}$$

Solve using the area model. Add the columns to record two partial products.

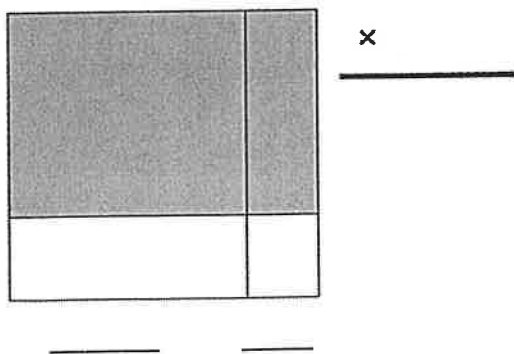
8. 52×35



b. 33×49



c. 23×38



d. 34×62

