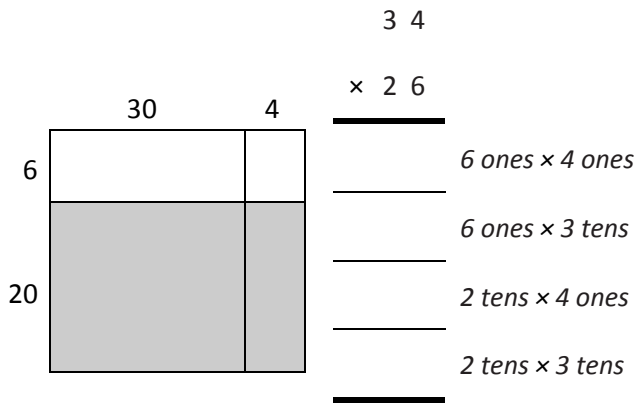
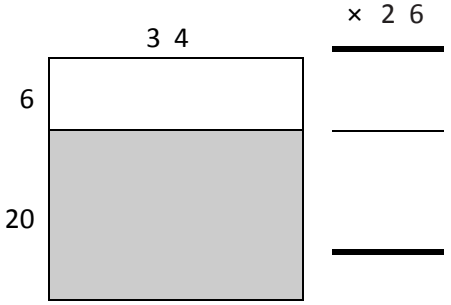
Name _____ Date _____

1. Solve 26 × 34 using 4 partial products and 2 partial products. Remember to think in terms of units as you solve. Write an expression to find the area of each smaller rectangle in the area model.

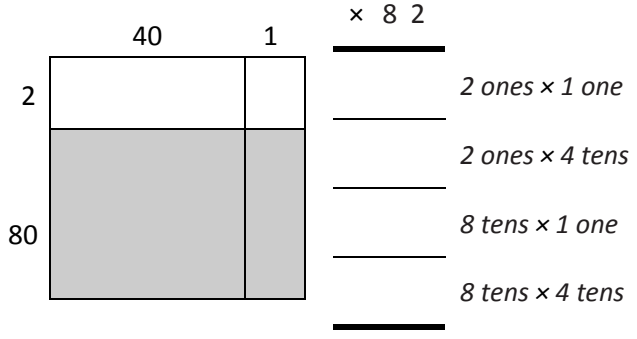


3 4
× 2 6
_____ 6 ones × 4 ones
_____ 6 ones × 3 tens
_____ 2 tens × 4 ones
_____ 2 tens × 3 tens

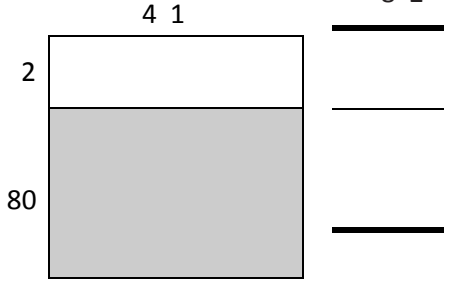


3 4
× 2 6
_____ 6 ones × 34 ones
_____ 2 tens × 34 ones
_____

2. Solve using 4 partial products and 2 partial products. Remember to think in terms of units as you solve. Write an expression to find the area of each smaller rectangle in the area model.



4 1
× 8 2
_____ 2 ones × 1 one
_____ 2 ones × 4 tens
_____ 8 tens × 1 one
_____ 8 tens × 4 tens



4 1
× 8 2
_____ 2 ones × 41 ones
_____ 8 tens × 41 ones
_____

3. Solve 52 × 26 using 2 partial products and an area model. Match each partial product to its area on the model.

4. Solve the following using 2 partial products. Visualize the area model to help you.

a.
$$\begin{array}{r} 68 \\ \times\ 23 \\ \hline \\ \_\_\_\_\_ \\ \\ \hline \end{array}$$
_____ × _____

_____ × _____

b.
$$\begin{array}{r} 49 \\ \times\ 33 \\ \hline \\ \_\_\_\_\_ \\ \\ \hline \end{array}$$
_____ × _____

_____ × _____

c.
$$\begin{array}{r} 16 \\ \times\ 25 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 54 \\ \times\ 71 \\ \hline \end{array}$$