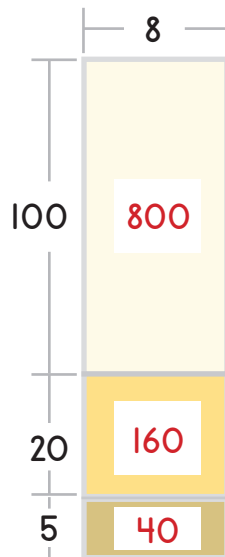


Name: _____ Date: _____



Complete the models by filling in the empty boxes.

Example



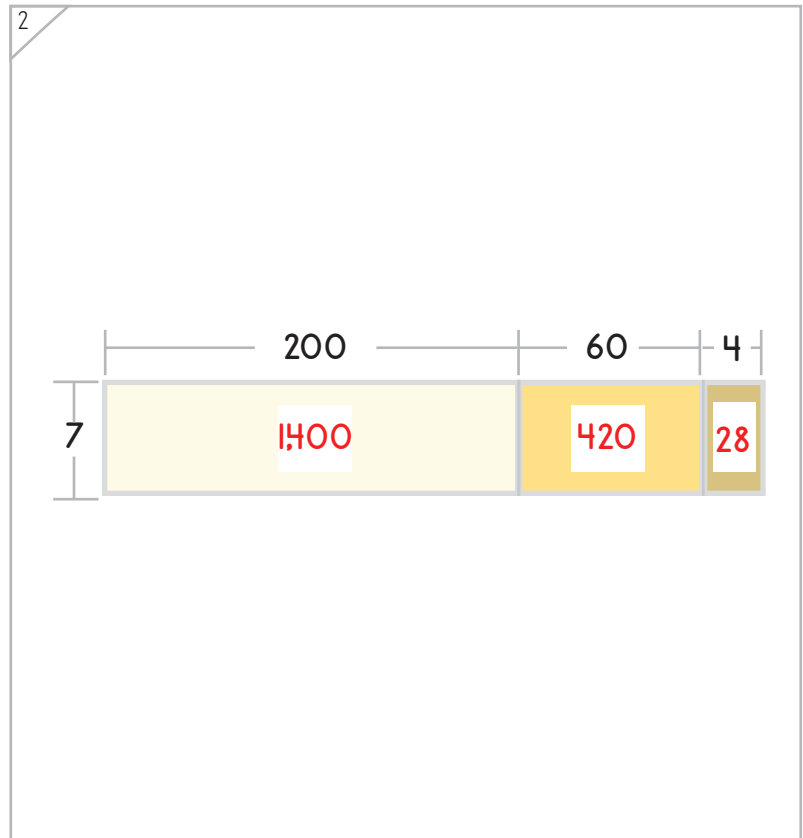
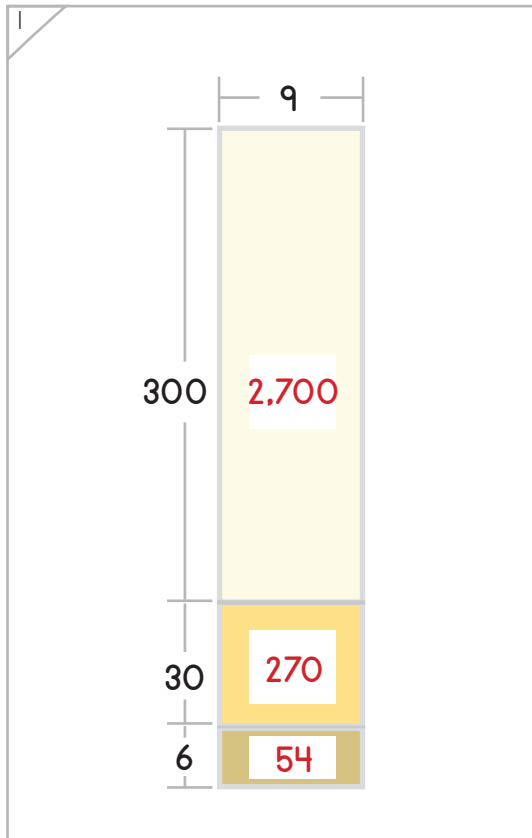
The area of each rectangle is missing.

The top rectangle has sides of 100 and 8.
 $100 \times 8 = 800$

The middle rectangle has sides of 20 and 8.
 $20 \times 8 = 160$

The bottom rectangle has sides of 5 and 8.
 $5 \times 8 = 40$

ANSWER KEY



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Make each model and number sentence match.

1

$$\begin{array}{r}
 233 \\
 \times \quad 6 \\
 \hline
 1,200 \\
 180 \\
 18 \\
 \hline
 1,398
 \end{array}$$

2

$$\begin{array}{r}
 484 \\
 \times \quad 9 \\
 \hline
 3,600 \\
 720 \\
 36 \\
 \hline
 4,356
 \end{array}$$

ANSWER KEY

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Make each model and number sentence match.

1

300 70 3

5

1,500 350 15

$$\begin{array}{r}
 \\
 \times \\
 \hline
 1,500 \\
 350 \\
 + \\
 \hline
 1,865
 \end{array}$$

300 × 5

70 × 5

3 × 5

2

4

400

1,600

50

200

6

24

$$\begin{array}{r}
 \\
 \times \\
 \hline
 1,600 \\
 200 \\
 + \\
 \hline
 1,824
 \end{array}$$

400 × 4

50 × 4

6 × 4





Symbols

Create a model to solve each number fact.

1

$$\begin{array}{r}
 567 \\
 \times 567 \\
 \hline
 3,500 \quad 500 \times 7 \\
 420 \quad 60 \times 7 \\
 49 \quad 7 \times 7 \\
 \hline
 3,969
 \end{array}$$

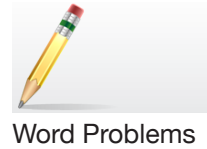
2

$$\begin{array}{r}
 785 \\
 \times 8 \\
 \hline
 5,600 \quad 700 \times 8 \\
 640 \quad 80 \times 8 \\
 40 \quad 5 \times 8 \\
 \hline
 6,280
 \end{array}$$

ANSWER KEY

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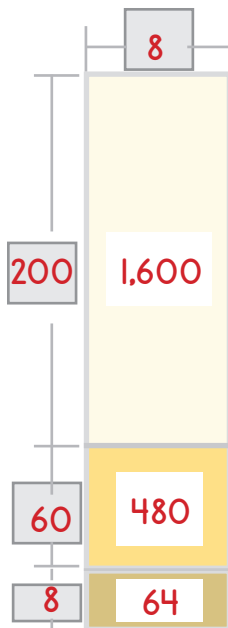
Read the description.

Ben's side yard is 268 feet long and 8 feet wide. Draw a model that shows how the expanded mode can find the area of the yard.

ANSWER KEY

Your model:

Expanded mode solution:



$$\begin{array}{r}
 268 \\
 \times 8 \\
 \hline
 1,600 \\
 480 \\
 + 64 \\
 \hline
 2,144
 \end{array}$$

200×8
 60×8
 8×8

Answer: The area of the yard is 2,144 square feet.

