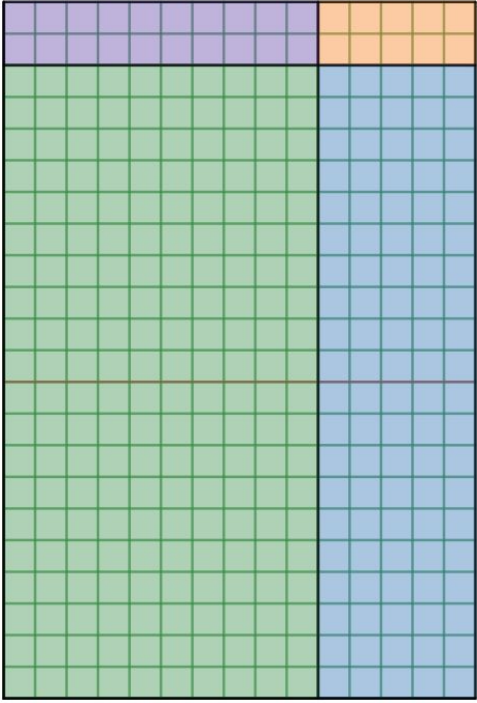
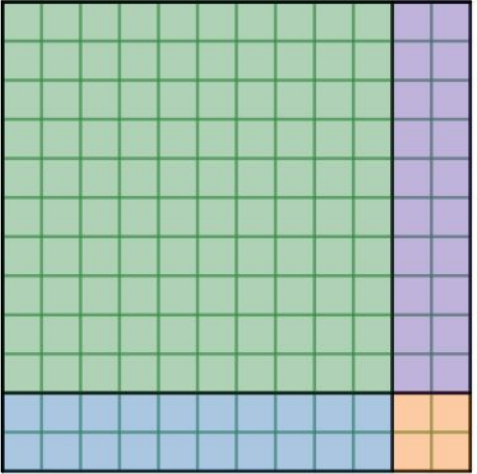
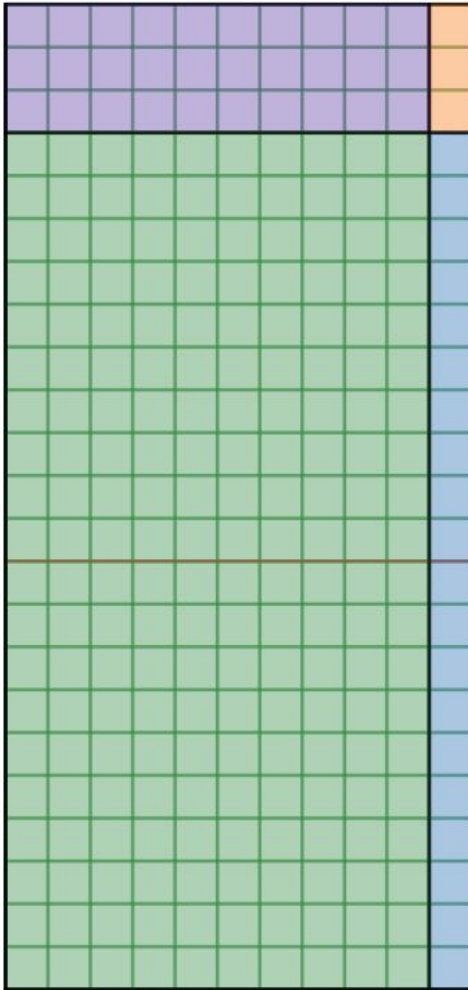


Area Model	Distributive Property	Partial Products	Word Problem
	$(20 + 2) \times (10 + 5) =$ $20 \times 10 + 20 \times 5 + 2 \times 10 + 2 \times 5 =$	$\begin{array}{r} 22 \\ \times 15 \\ \hline 10 \\ 100 \\ 20 \\ 200 \end{array}$	Each pack of baseball cards has fifteen cards. How many cards are in twenty-two packs?
	$(10 + 2) \times (10 + 2) =$ $10 \times 10 + 10 \times 2 + 2 \times 10 + 2 \times 2 =$	$\begin{array}{r} 12 \\ \times 12 \\ \hline 4 \\ 20 \\ 20 \\ 100 \end{array}$	How many eggs are in twelve dozen?

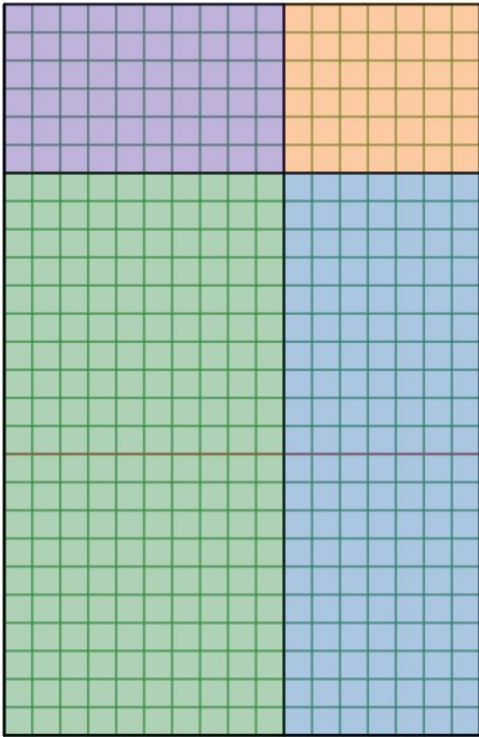


$$(20 + 3) \times (10 + 1) =$$

$$20 \times 10 + 20 \times 1 + 3 \times 10 + 3 \times 1 =$$

$$\begin{array}{r} 23 \\ \times 11 \\ \hline 3 \\ 20 \\ 30 \\ 200 \end{array}$$

The boy scouts eat twenty-three grapes each on their campout. How many total grapes did the troop of eleven boys eat?

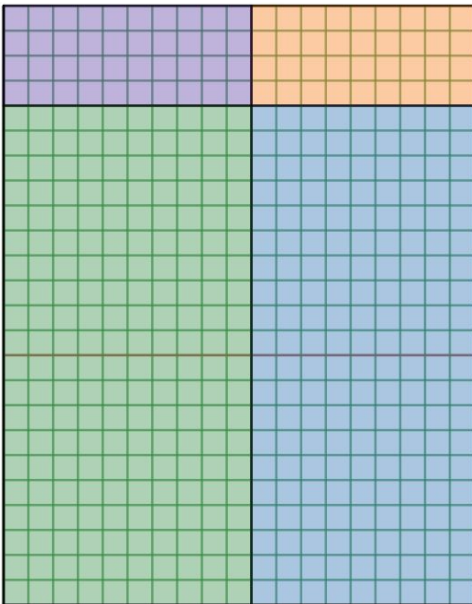


$$(20 + 6) \times (10 + 7) =$$

$$20 \times 10 + 20 \times 7 + 6 \times 10 + 6 \times 7 =$$

$$\begin{array}{r} 26 \\ \times 17 \\ \hline 42 \\ 140 \\ 60 \\ 200 \end{array}$$

The deck Scott is building needs twenty-six boards and each board needs seventeen nails. How many nails does Scott need to buy?

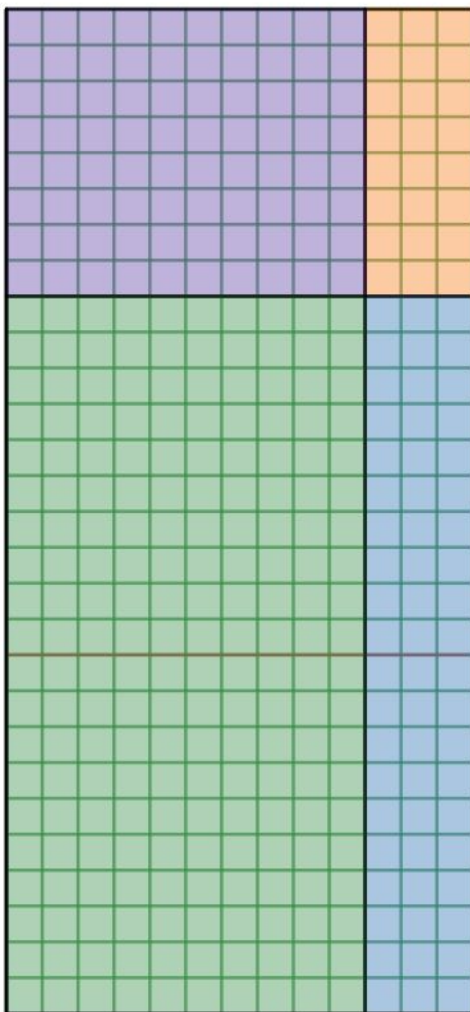


$$(20 + 4) \times (10 + 9) =$$

$$20 \times 10 + 20 \times 9 + 4 \times 10 + 4 \times 9 =$$

$$\begin{array}{r} 24 \\ \times 19 \\ \hline 36 \\ 180 \\ 40 \\ 200 \end{array}$$

A faucet drips 19 ounces of water every hour. How much water does it drip in a full day?

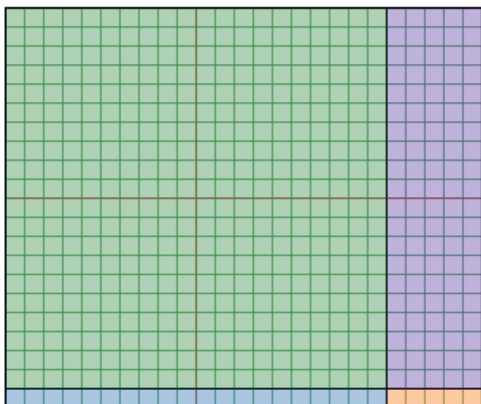


$$(20 + 8) \times (10 + 3) =$$

$$20 \times 10 + 20 \times 3 + 8 \times 10 + 8 \times 3 =$$

$$\begin{array}{r} 28 \\ \times 13 \\ \hline 24 \\ 60 \\ 80 \\ 200 \end{array}$$

Cam bought thirteen different colored folders and each had twenty-eight dots. How many total dots are on her folders?

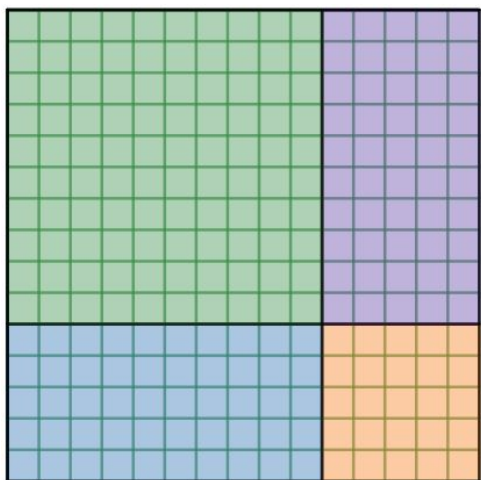


$$(20 + 5) \times (20 + 1) =$$

$$20 \times 20 + 20 \times 1 + 5 \times 20 + 5 \times 1 =$$

$$\begin{array}{r} 25 \\ \times 21 \\ \hline 5 \\ 20 \\ 100 \\ 400 \end{array}$$

Bags of Reese's cups have twenty-one individually wrapped peanut butter cups. How many cups are in twenty-five bags?



$$(10 + 5) \times (10 + 5) =$$

$$10 \times 10 + 10 \times 5 + 5 \times 10 + 5 \times 5 =$$

$$\begin{array}{r} 15 \\ \times 15 \\ \hline 25 \\ 50 \\ 50 \\ 100 \end{array}$$

The zoo has fifteen monkeys who eat fifteen bananas each day. How many bananas does the zookeeper need each day for the monkeys?

