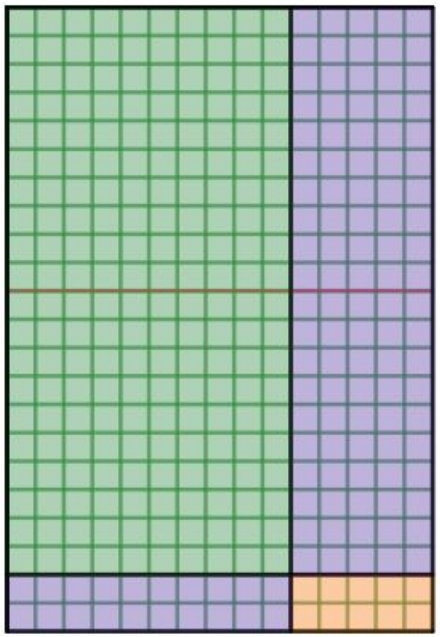
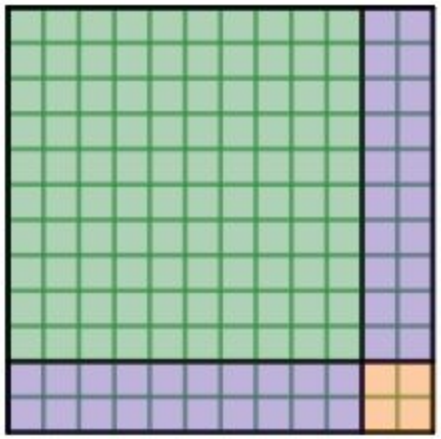
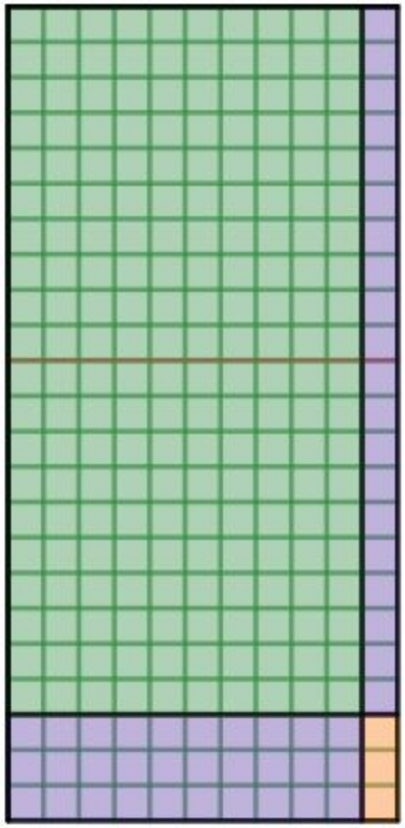
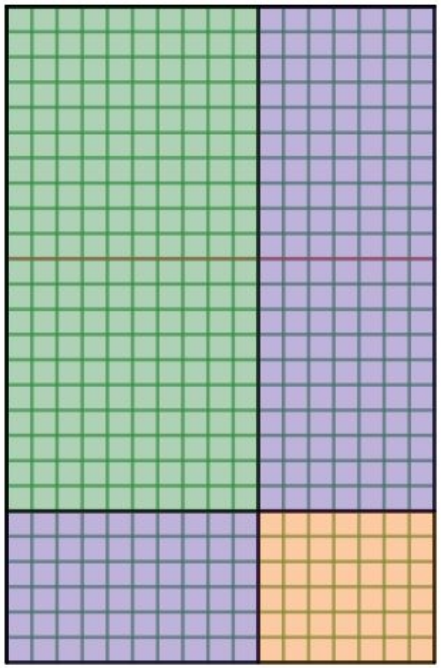
Area Model	Distributive Property	Partial Products	Word Problem
	(20 + 2) x (10 + 5) = 20 x 10 + 20 x 5 + 2 x 10 + 2 x 5 =	15 X 22 10 20 100 200	Each pack of baseball cards has fifteen cards. How many cards are in twenty-two packs?
	(10 + 2) x (10 + 2) = 10 x 10 + 10 x 2 + 2 x 10 + 2 x 2 =	12 X 12 4 20 20 100	How many eggs are in twelve dozen?



(20 + 3) x (10 + 1) =
20 x 10 + 20 x 1 + 3 x 10 + 3 x 1 =

23
X 11
3
20
30
200

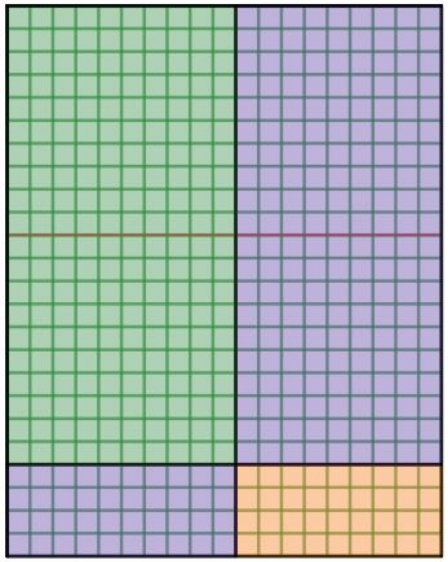
The boy scouts eat twenty-three grapes each on their campout. How many total grapes did the troop of eleven boys eat?



(20 + 6) x (10 + 7) =
20 x 10 + 20 x 7 + 6 x 10 + 6 x 7 =

26
X 17
42
140
60
200

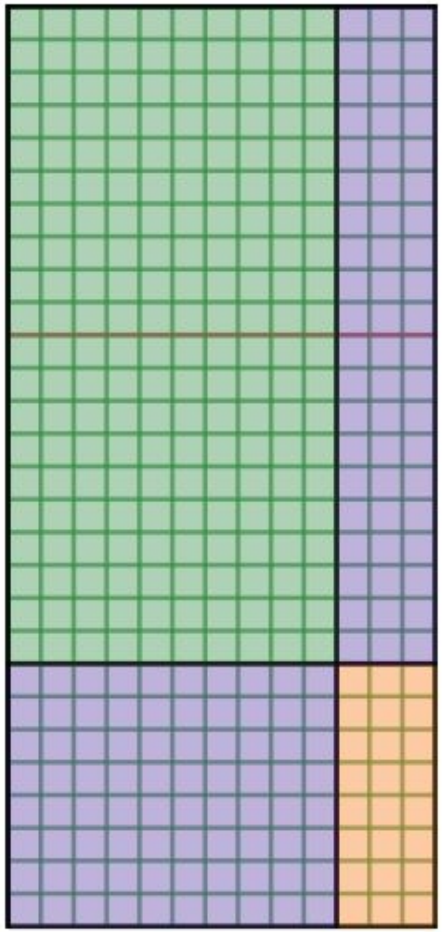
The deck Scott is building needs twenty-six boards and each board needs seventeen nails. How many nails does Scott need to buy?



(20 + 4) x (10 + 9) =
20 x 10 + 20 x 9 + 4 x 10 + 4 x 9 =

24
X 19
36
180
40
200

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

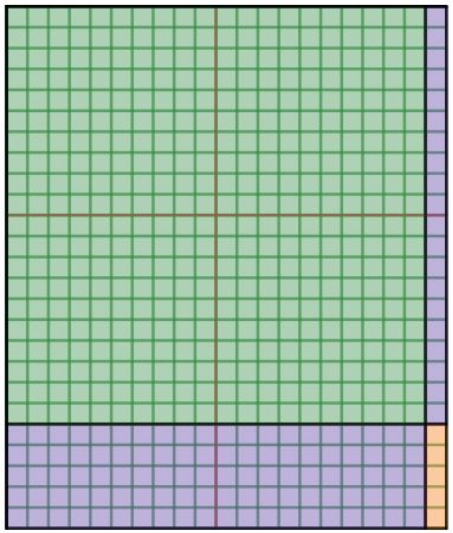
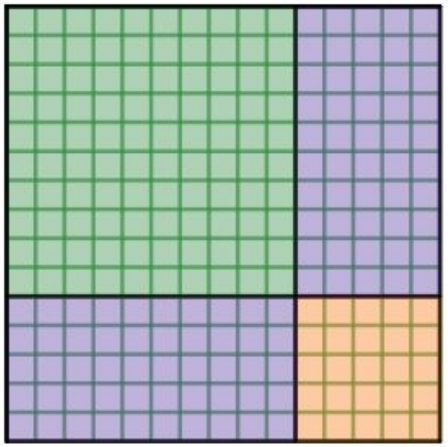


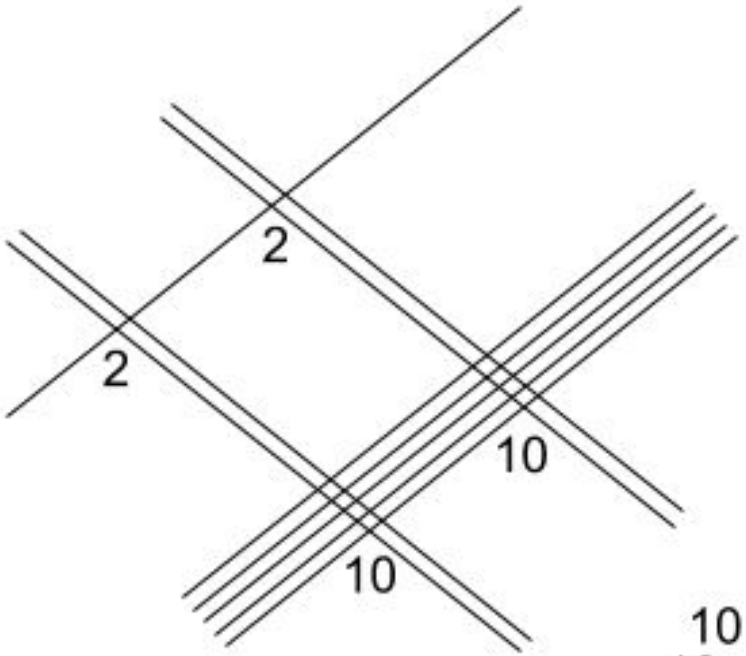
(20 + 8) x (10 + 3) =
20x 10 + 20 x 3 + 8 x 10 + 8 x 3 =

28
X 13

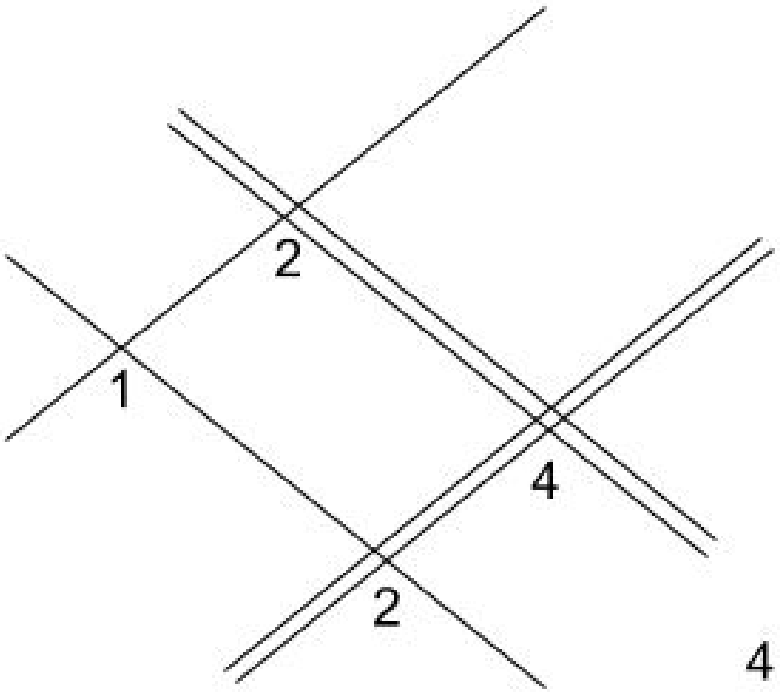
24
60
80
200

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

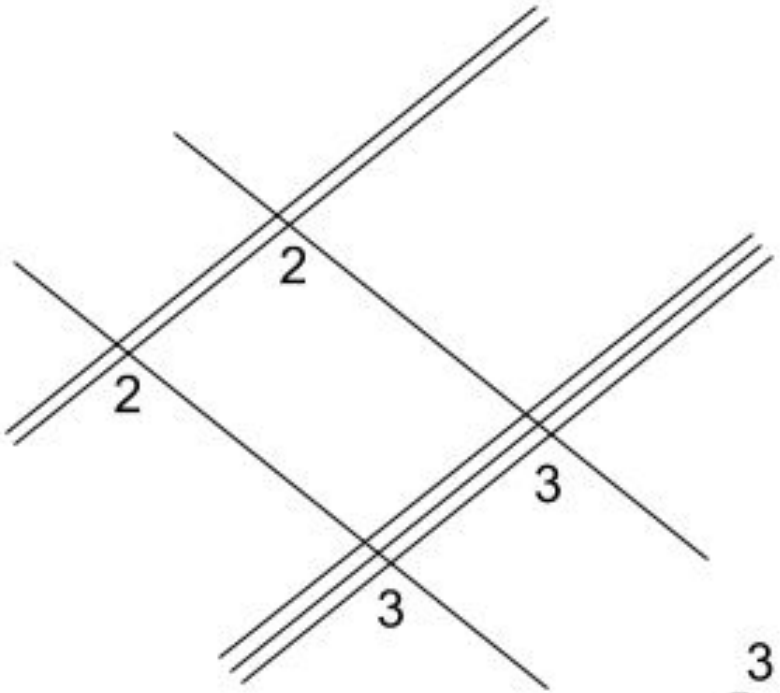
	(20 + 5) x (20 + 1) = 20 x 20 + 20 x 1 + 5 x 20 + 5 x 1 =	25 X 2 1 5 20 100 400	Bags of Reese's cups have twenty-one individually wrapped peanut butter cups. How many cups are in twenty-five bags?
	(10 + 5) x (10 + 5) = 10 x 10 + 10 x 5 + 5 x 10 + 5 x 5 =	15 X 15 25 50 50 100	The zoo has fifteen monkeys who eat fifteen bananas each day. How many bananas does the zookeeper need each day for the monkeys?



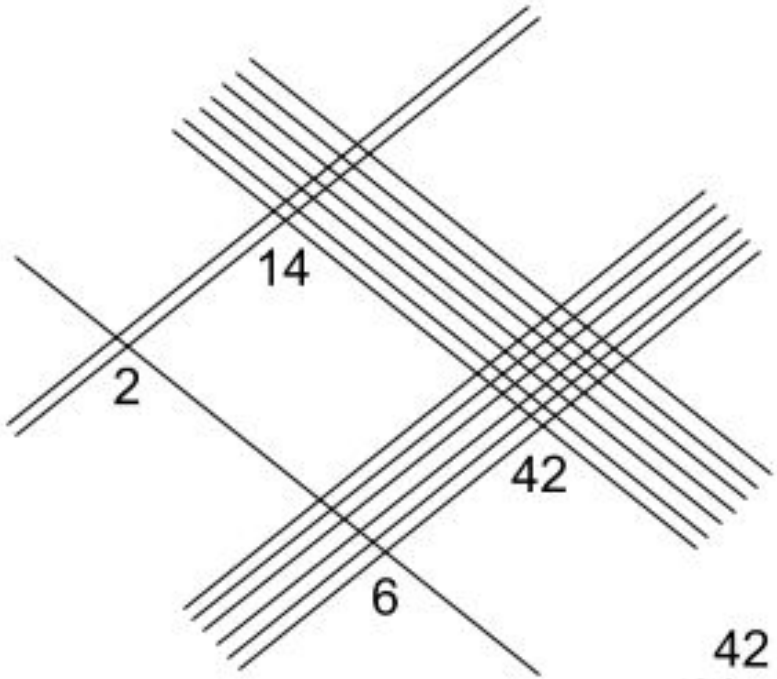
10
12
2
330



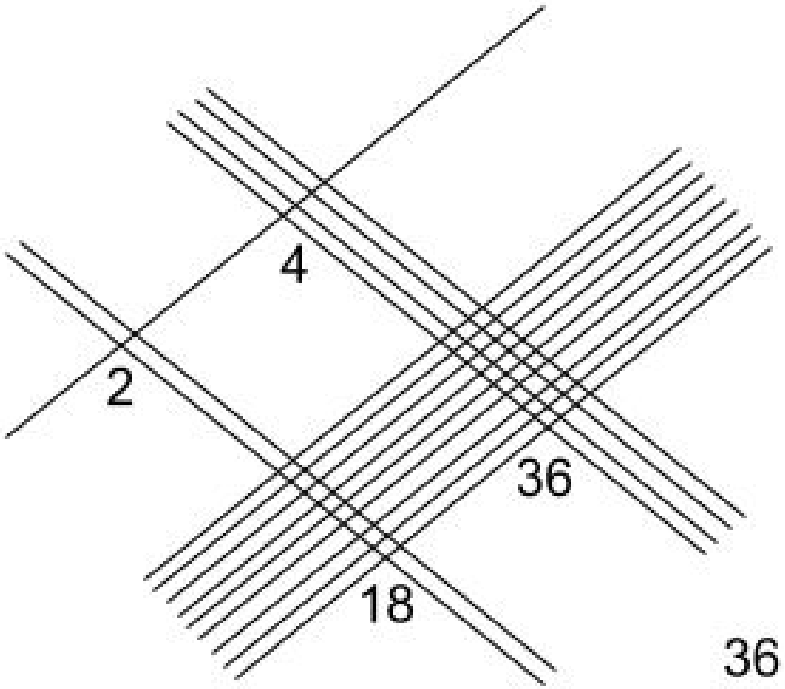
4
4
1
144



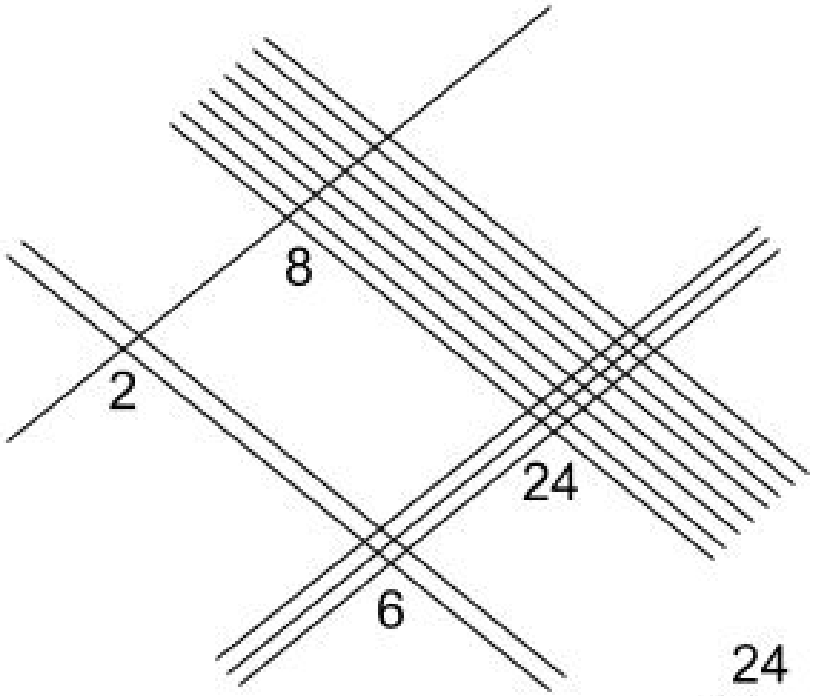
3
5
2
253



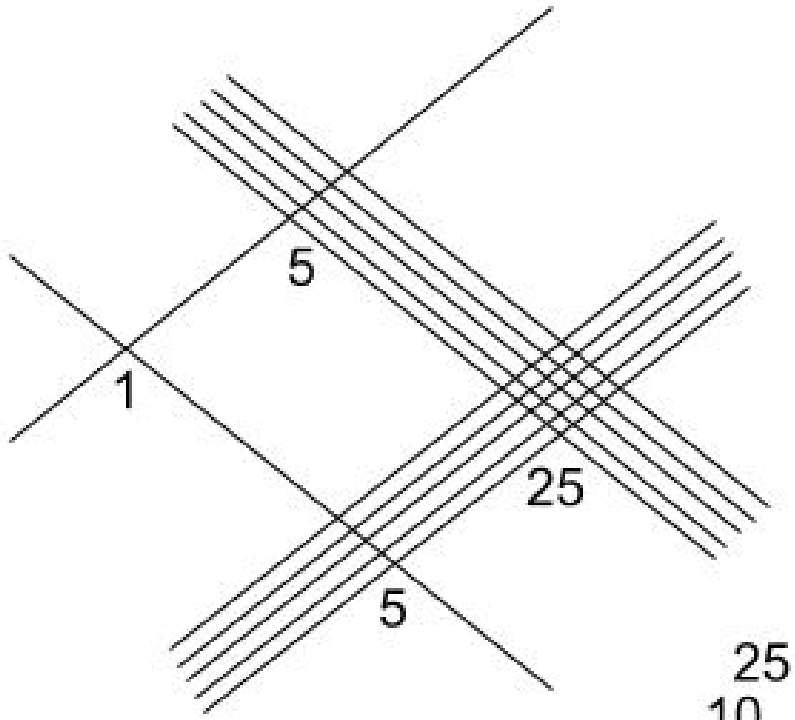
42
20
2
442



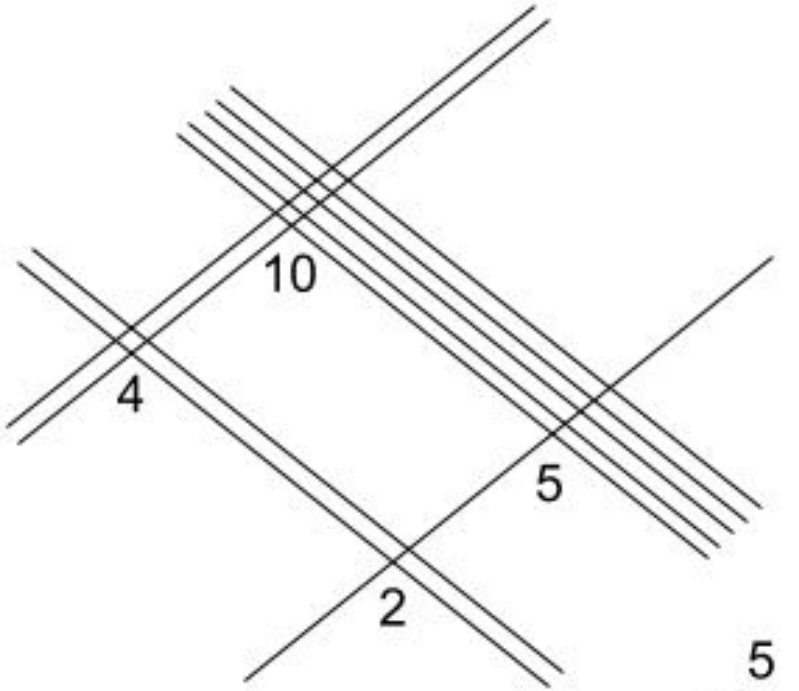
36
22
2
456



24
14
2
364



$$\begin{array}{r} 25 \\ 10 \\ 1 \\ \hline 225 \end{array}$$



$$\begin{array}{r} 5 \\ 12 \\ 4 \\ \hline 525 \end{array}$$