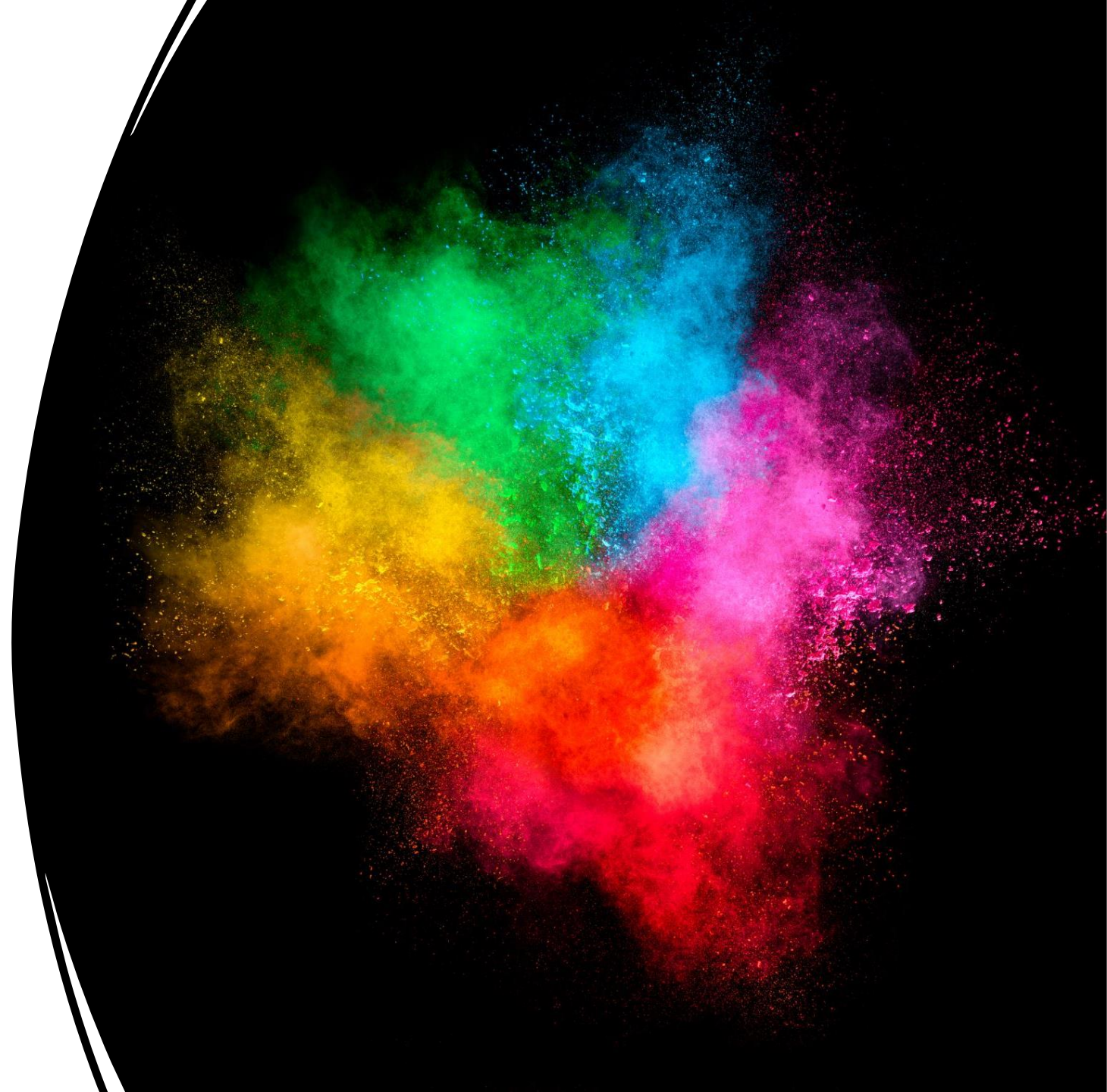


Required Assignment, SAGE MATH

Week 4,

5/ 11- 5/15





Warm Up:

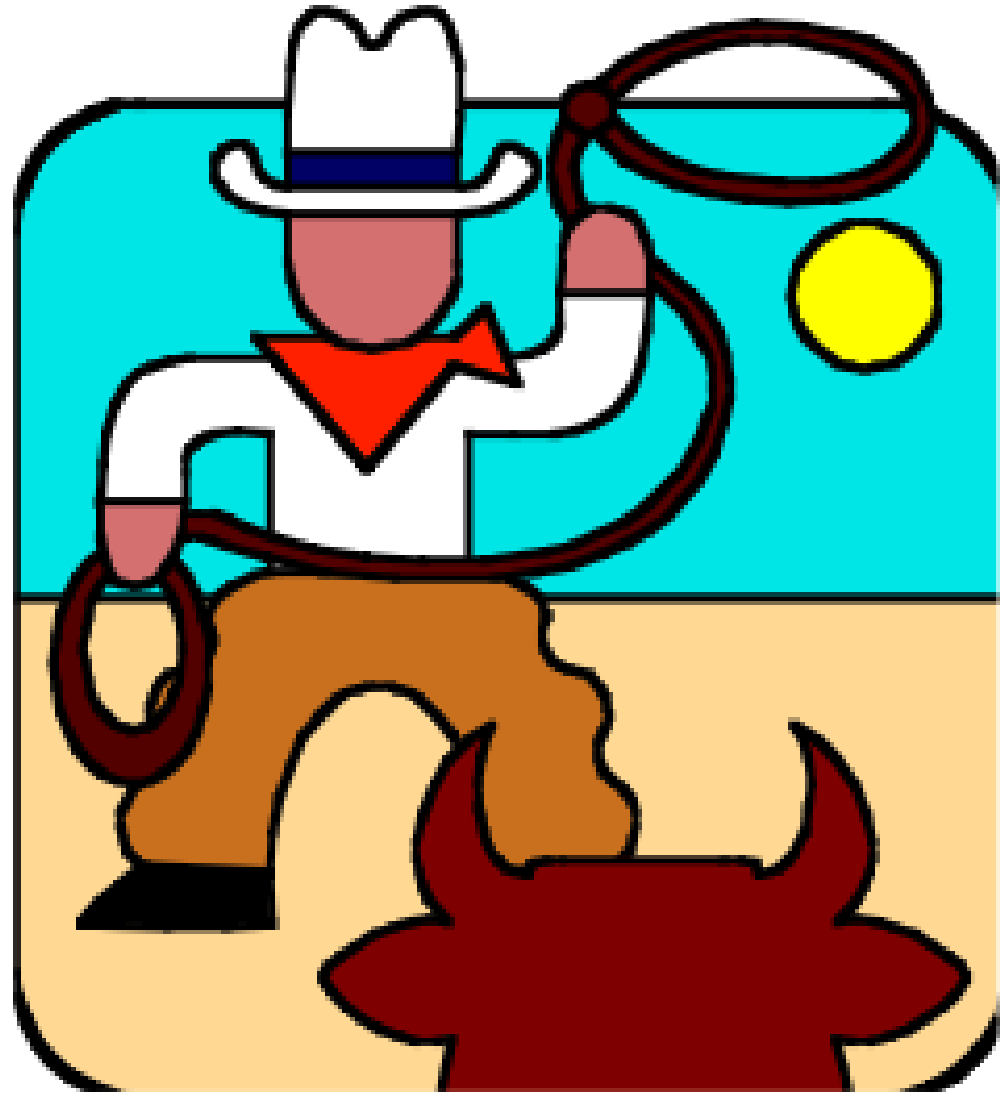
- How many different ways can you solve 12×5 ? Remember to show your work!



Math Activity: Surrounded and Covered

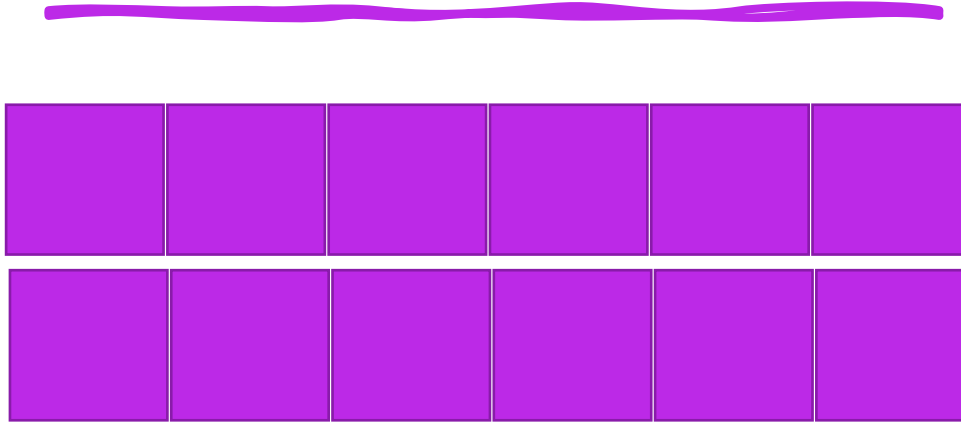
These problems get harder as you go further. Solve as many problems as you can!

Level 1:





Tex has a home on the range (where the deer and the antelope play). He has a patio made out of square tiles. The tiles are a foot long and a foot wide. How many tiles are in his patio?



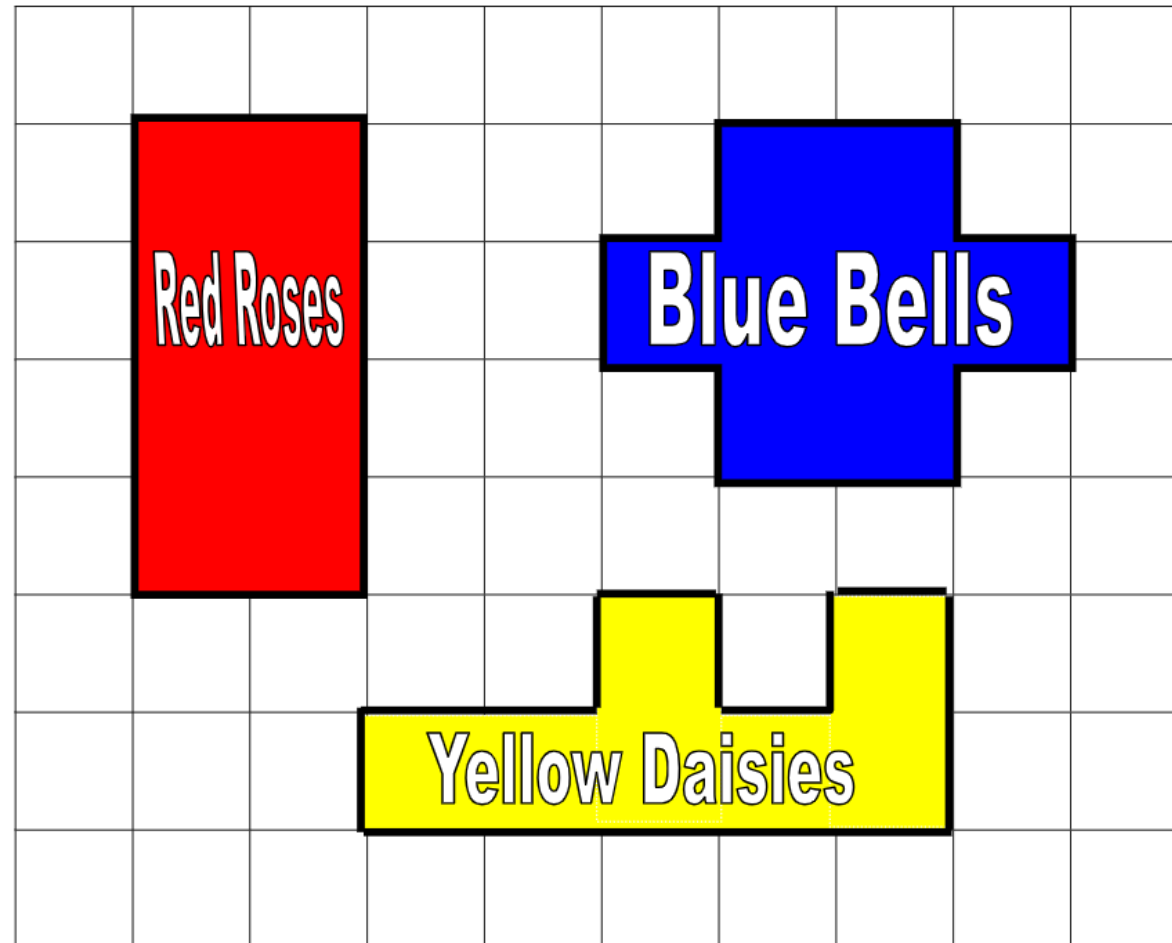
Can you arrange the tiles so that you make a square? Why or why not?

How many more tiles do you need to make a big square patio? Draw the new patio and tell how many tiles there are in all.

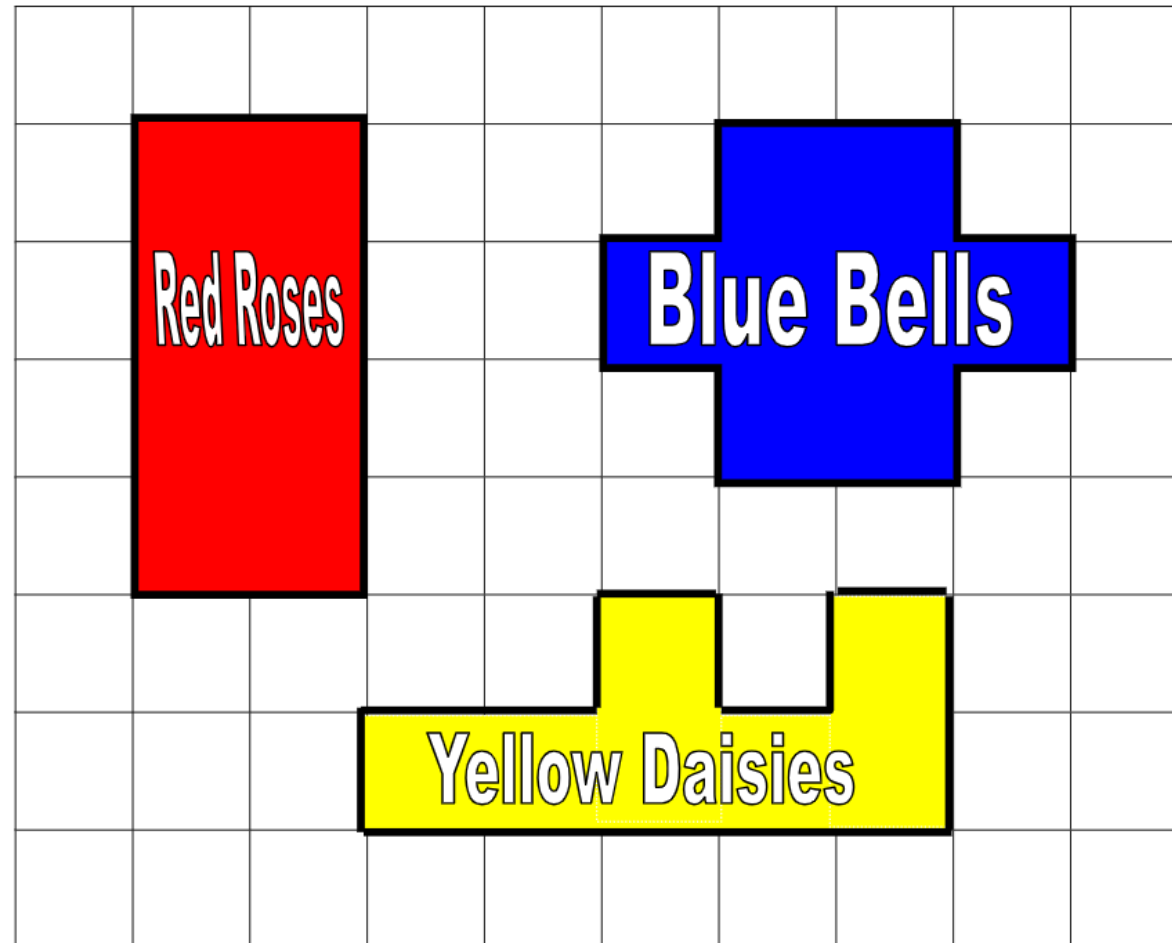


Level 2

Tex decides to build his patio with three flowerbeds. The flowerbeds are different shapes. In the first he plants red roses. In the second he plants blue bells and in the third he plants yellow daisies. Which flowerbed has more space to plant the flowers? Explain how you found your answer.



Tex is going to build a little white fence around his flowerbeds. Measure around each flowerbed to see how long the fence must be. How long around is each fence? Explain how you found your answers.



Level 3



Tex wants to make a lawn in the front of his house. He buys enough sod to make a 10-foot by 30-foot rectangular section of sod for \$200 to see how well it grows and how durable it is when played on. After a week he decides he needs more sod, so he doubles the dimensions to 20 feet by 60 feet and sends in a check for \$400. The sod company calls and says he still owes money for the second order of sod. Explain why he still owes money and how much he owes.



Tex wants his lawn to be 100 feet by 120 feet. How much more sod does he need and how much more does he need to pay? Explain how you figured it out.

