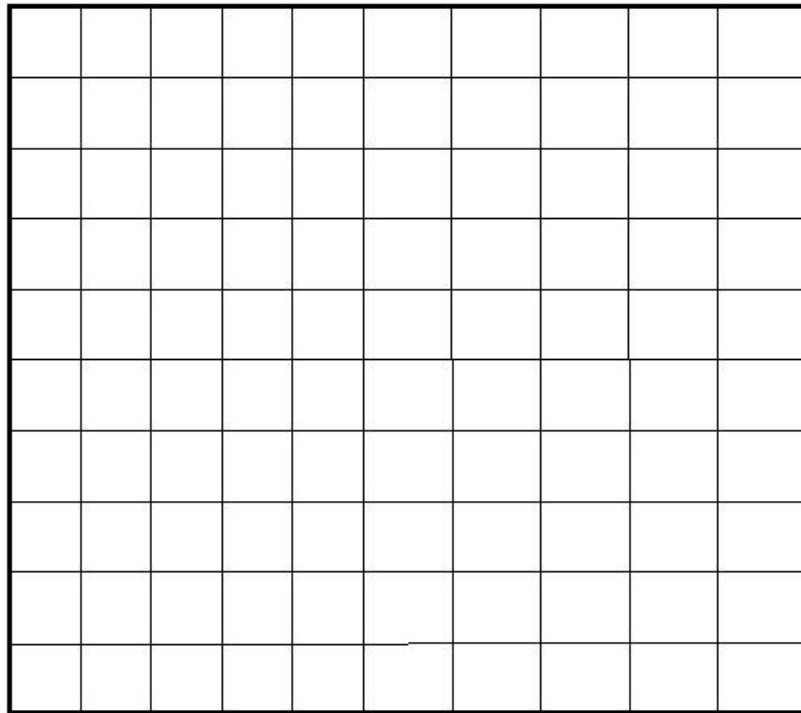




Megan and Joshua were given a 10 x 10 plot in their backyard to create a wild flower garden. Their mother, Gail, had bought the seeds. They just needed to decide which blocks they would plant with which flowers.

Help Megan and Joshua plan out their garden by coloring in the grid according to the following percentages:

- make 20% of the garden bright yellow with Black-eyed Susans.
- make 10% of the garden blue with Blue Flax.
- make 30% of the garden red with Blanketflowers
- make 25% of the garden purple with Purple Cone Flowers.
- make 15% of the garden white with Shasta Daisies.



Questions

1. Describe the quantities of flowers in the garden.
2. Of the flowers in your garden, which flower covers the greatest area?

3. What two flowers combined cover the same area as the Blanketflower?
4. Are there any combinations of flowers that would cover half of the garden?

Now pair up with another student and combine your gardens together to make a larger garden

5. Describe the quantities of flowers in the garden?
6. Of the flowers in your garden, which flower covers the greatest area?
7. What two flowers combined cover the same area as the Blanketflower?
8. Are there any combinations of flowers that would cover half of the garden?

Now put all the squares together into a whole class garden.

9. How many of the little gardens does the class have?
10. How many of the little blocks does the class have
11. What portion of our whole class garden is yellow (Black-eyed Susans)?
12. What portion of our whole class garden is blue (Blue Flax)?
13. What portion of our whole class garden is red (Blanketflowers)?
14. What portion of our whole class garden is purple (Purple Cone Flowers)?
15. What portion of our whole class garden is white (Shasta Daisies)?