

# MathFLIX CHALLENGE

## • Percent Designs •

Principal Martin wants to put a large design on the patio of her house using five different colors of tiles in her design. She wants:

50% of the tiles to be yellow

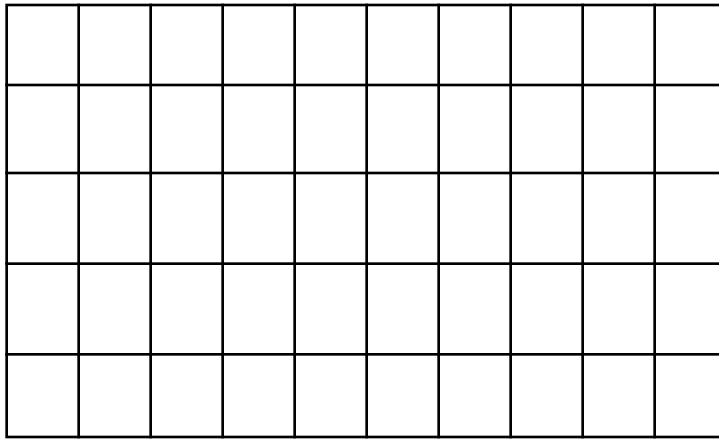
10% of the tiles to be blue

20% of the tiles to be black

2% of the tiles to be purple

18% of the tiles to be orange.

Use the grid pattern below to design a floor for Principal Martin's patio. Show your work by coloring each tile with the appropriate color. What % of the patio does each tile represent?



Principal Martin also wants to put special floor tile by the front door of her house. She wants:

50% of the tiles to be blue

25% of the tiles to be gray

10% of the tiles to be red

15% of the tiles to be green

Use the grid pattern below to design a floor for the entrance of Principal Martin's house. Show your work by coloring each tile with the appropriate color. What % of the entrance is each tile?

