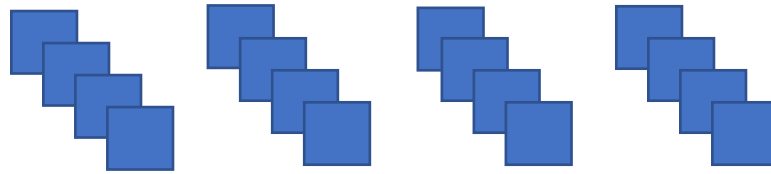


Making Shapes - Reasoning

1.

Use 16 identical squares:



Use half of the squares to make a rectangle and the other half to draw a different rectilinear shape.

What is the same? What is different?

2.

Use 20 squares of the same size.

How many different ways could you arrange them into a rectangle with an area of 20 squares.

3. Always, sometimes, never

If you draw a square on squared paper it will have an even area. **Prove it!**

4. If you double the length of a rectangle what happens to its area?

Example:



If you double the length and width of a rectangle, what happens to its area?

Example:

