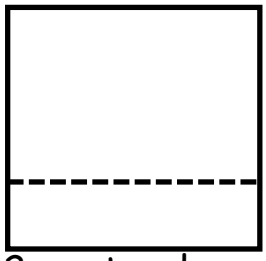
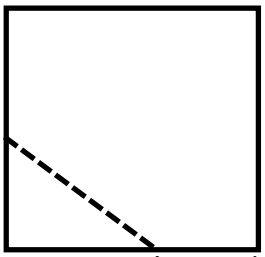
Cutting Shapes

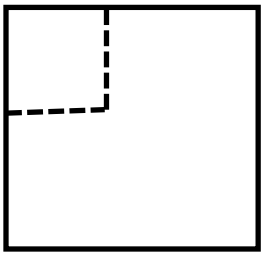
Investigate the shapes you can make by making one or two cuts in a square:



2 rectangles different sizes



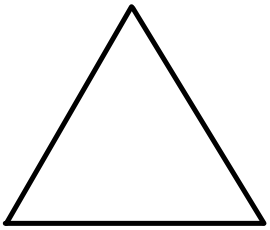
a triangle and a pentagon

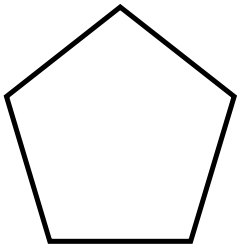


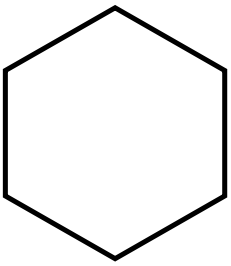
a square and a hexagon

How many more ideas can you think of?

Try with other regular shapes:







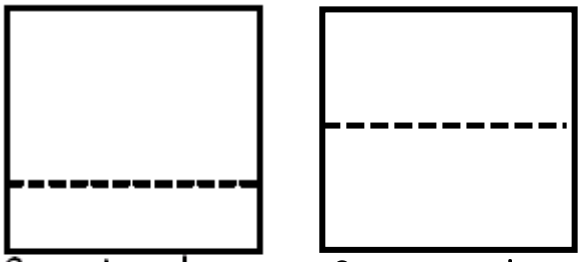
Learning and Teaching Objectives

- Use drawings or annotations to help visualise the problem
- Choose and use an appropriate method of recording
- Recognise properties of a range of 2D shapes

Cutting Shapes Solution:

Encourage systematic working

1. One horizontal cut

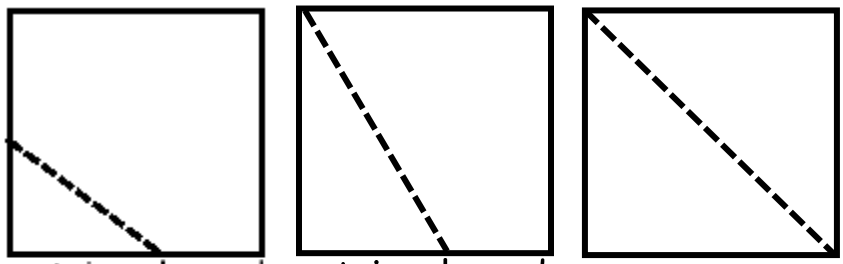


2 rectangles different sizes

2 rectangles same size

2. One vertical cut (same as above)

3. One diagonal cut

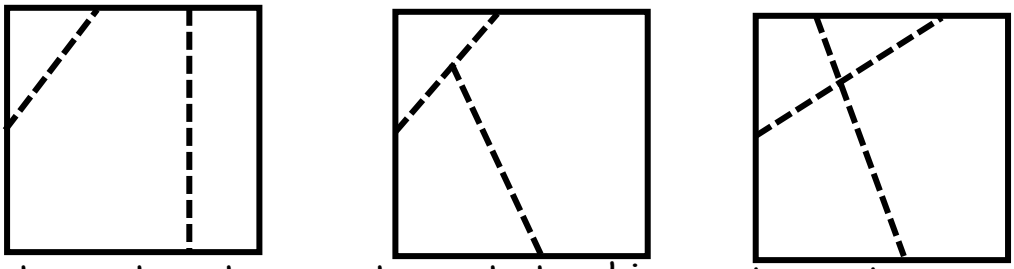


a triangle and a pentagon

a triangle and a quadrilateral

two triangles

4. Two cuts – ideas:



two cuts not intersecting

two cuts touching

two cuts intersecting