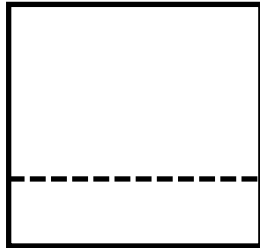
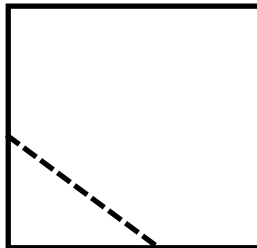


Cutting Shapes

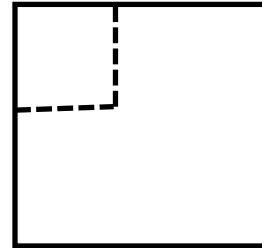
Investigate the shapes you can make by making one or two cuts in a square:



2 rectangles
different sizes



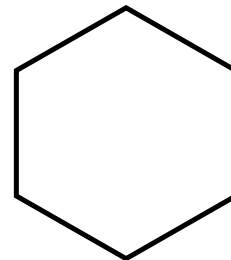
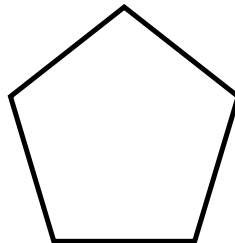
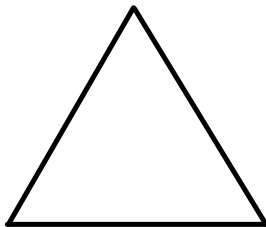
a triangle and
a pentagon



a square and
a hexagon

How many more ideas can you think of?

Try with other regular shapes:



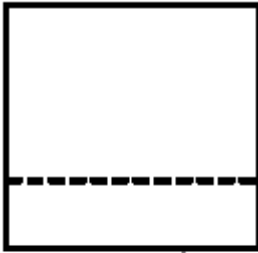
Learning and Teaching Objectives

- 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

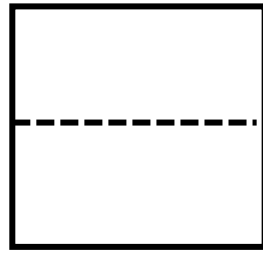
Cutting Shapes Solution:

Encourage systematic working

1. One horizontal cut



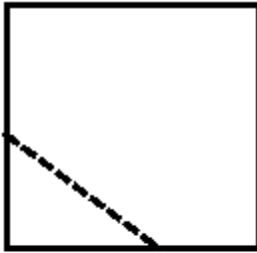
2 rectangles
different sizes



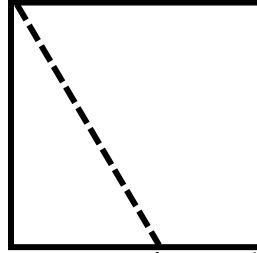
2 rectangles
same size

2. One vertical cut (same as above)

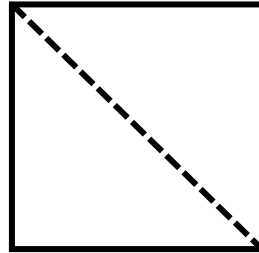
3. One diagonal cut



a triangle and
a pentagon

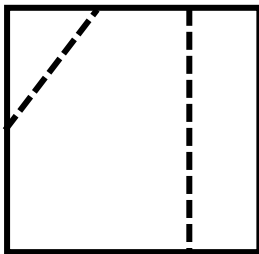


a triangle and
a quadrilateral

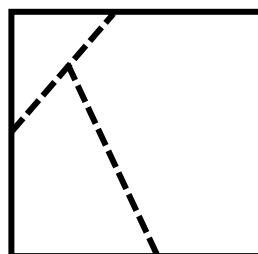


two triangles

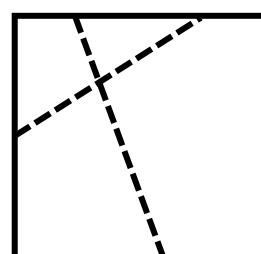
4. Two cuts - ideas:



two cuts not
intersecting



two cuts touching



two cuts
intersecting