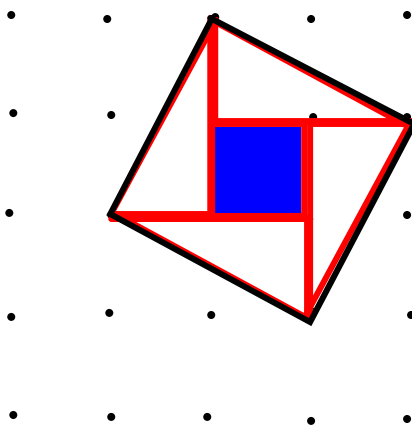
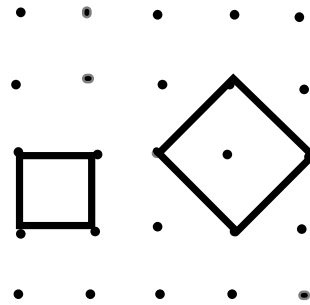


Find the Squares

Using a 5 x 5 pinboard
(or Area ITP)
make some squares.
There must be a dot at each
corner.
How many different sizes of
square can you make?



The area of this square is 5
square units.

It is made from four triangles,
which are half rectangles, plus
one small square in the middle.

How many squares with an area of
5 square units can you make on a 5
x 5 pinboard?

Investigate how many squares there are of different sizes:

Area of square	1							16
No. of squares	16							1

Learning and Teaching Objectives

- Have a system for finding all possibilities
- Organise the recording of possibilities
- Use a method of tracking what has been included and what has not
- Have a way of deciding when all possibilities have been found

Find the Squares Solution

Area of square	1	2	4	5	8	9	10	16
No. of squares	16	9	9	4	1	4	2	1

