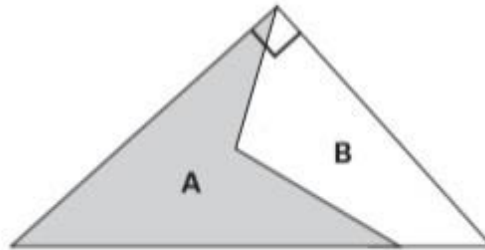


## Quadrilaterals- Questions

Key Stage 3: 2003 Paper 1 Level 4-6

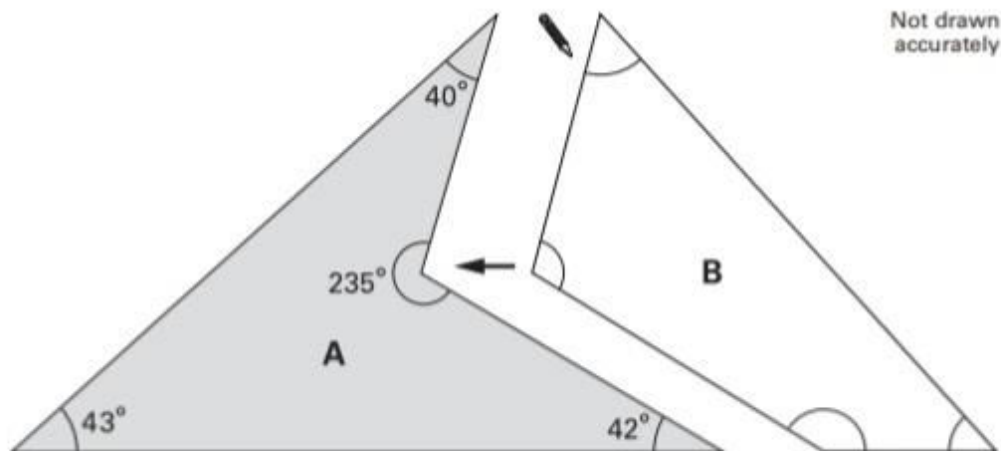
1.

17. The drawing shows how shapes A and B fit together to make a right-angled triangle.



Work out the size of each of the angles in shape B.

Write them in the correct place in shape B below.

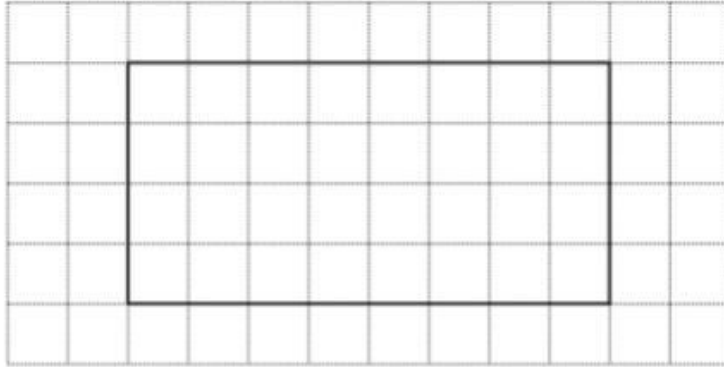


3 marks

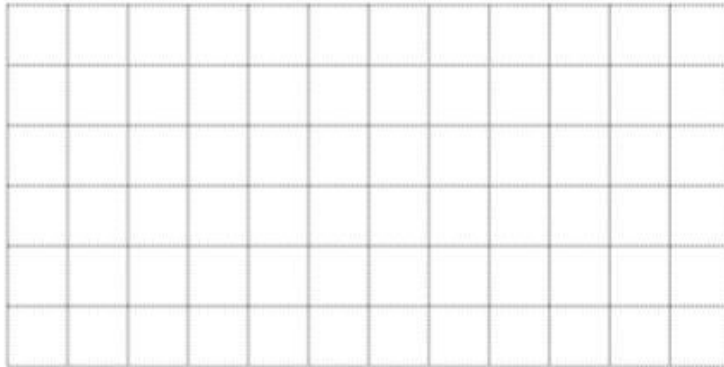
Key Stage 3: 2004 Paper 2 Level 3-5

2.

17. The square grid below shows a **quadrilateral** that has **four right angles**.

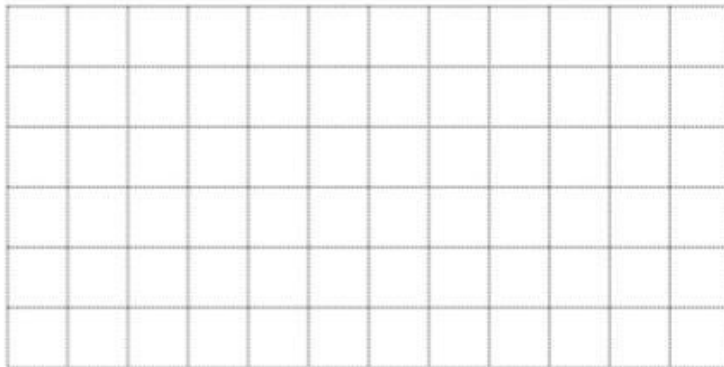


- (a) Draw a quadrilateral that has exactly **two** right angles.



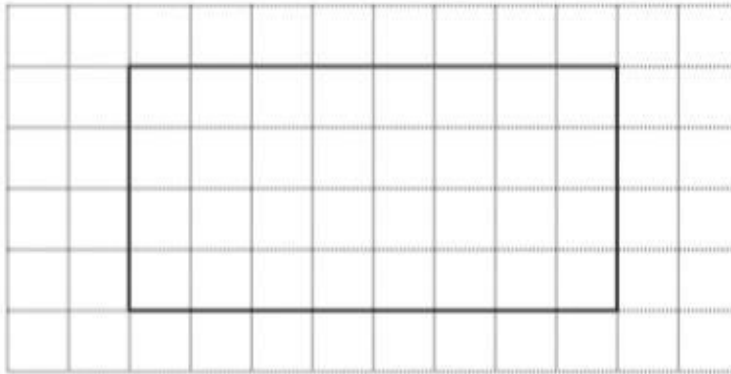
1 mark

- (b) Draw a quadrilateral that has exactly **one** right angle.

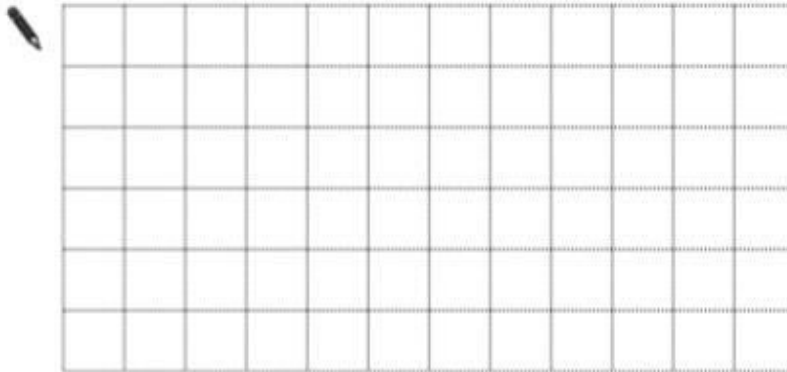


1 mark

10. The square grid below shows a **quadrilateral** that has **four right angles**.

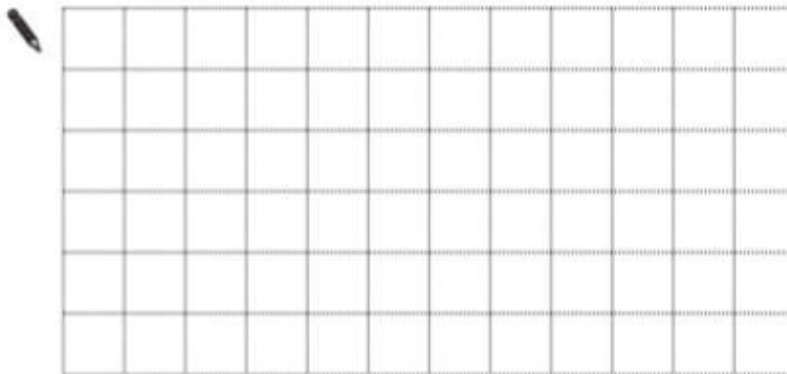


(a) Draw a quadrilateral that has exactly **two** right angles.



1 mark

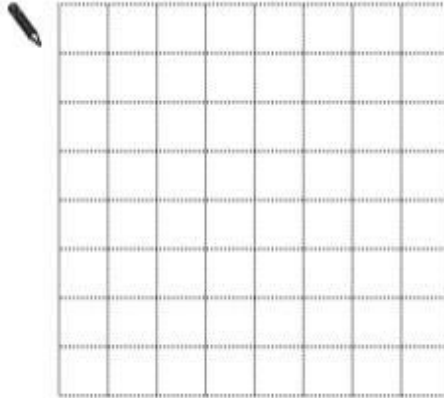
(b) Draw a quadrilateral that has exactly **one** right angle.



1 mark

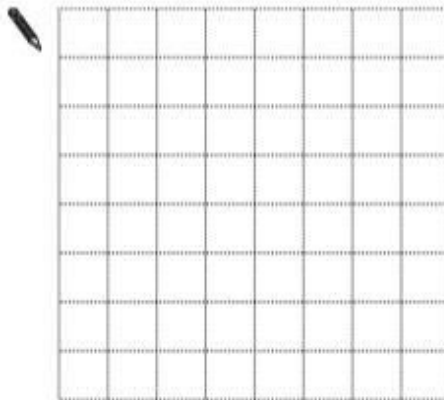
15. In this question, all the grids are square grids.

(a) On the grid, draw a **triangle with no right angles.**



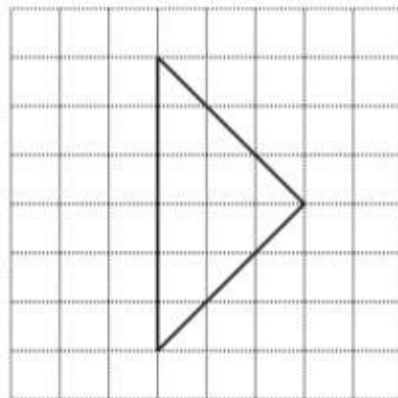
1 mark

(b) On the grid, draw a **quadrilateral with no right angles.**



1 mark

(c) **How many right angles** does the shape on this grid have?

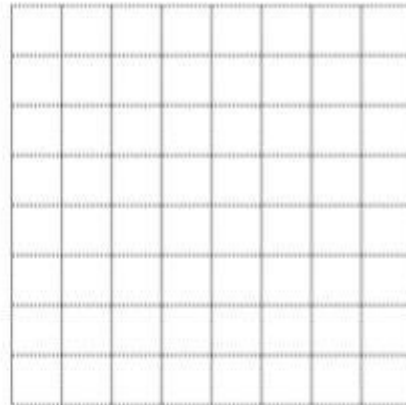


Number of right angles: .....

1 mark

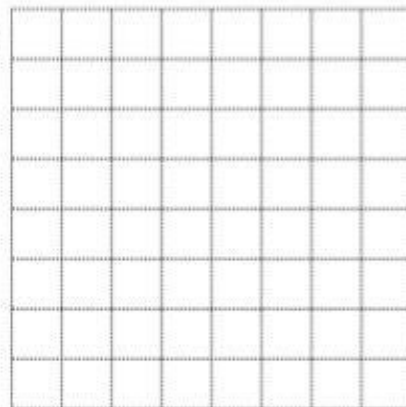
8. In this question, all the grids are square grids.

(a) On the grid, draw a **triangle with no right angles.**



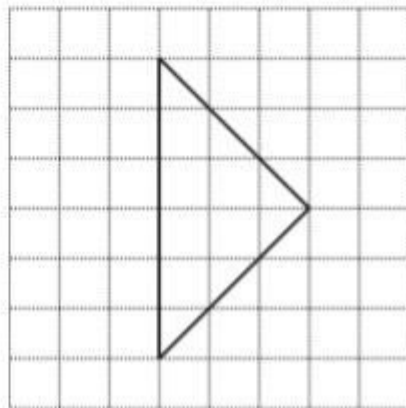
1 mark


(b) On the grid, draw a **quadrilateral with no right angles.**



1 mark

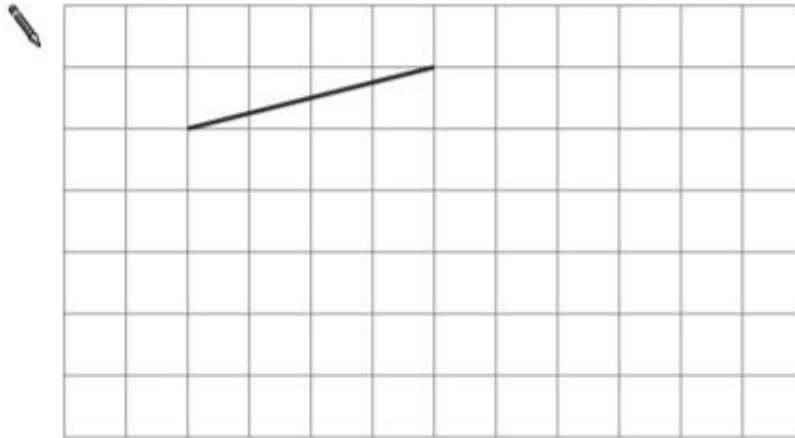
(c) **How many right angles** does the shape on this grid have?



Number of right angles:  .....

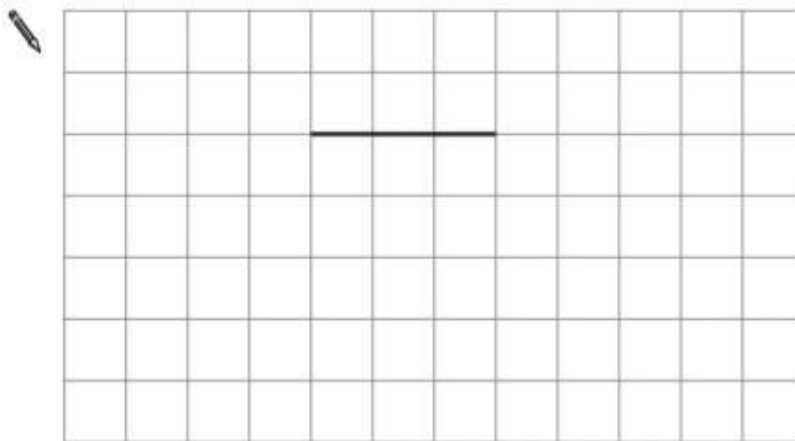
1 mark

12. (a) The line on the square grid below is one side of a **square**.  
Draw 3 more lines to complete the square.



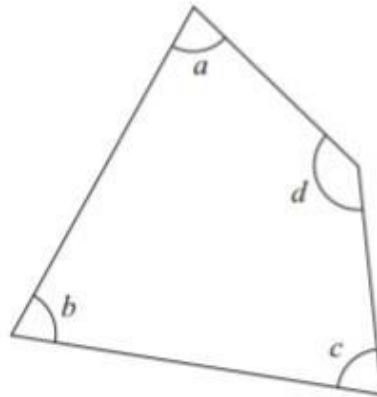
1 mark

- (b) The line on the square grid below is one side of a **quadrilateral**.  
The quadrilateral has **only one pair of parallel sides**.  
Draw 3 more lines to show what the quadrilateral could be.



1 mark

3. (a) Look at this quadrilateral.



Which **angle** is **biggest**? Tick ( $\checkmark$ ) the correct box below.



Angle  $a$

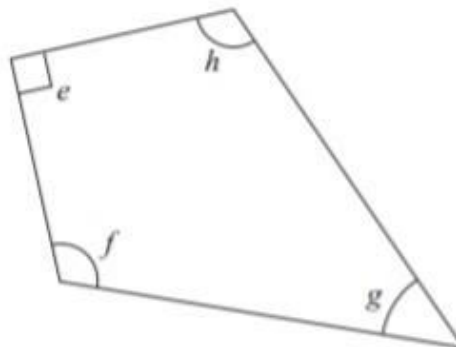
Angle  $b$

Angle  $c$

Angle  $d$

\_\_\_\_\_   
 1 mark

(b) Now look at this quadrilateral.



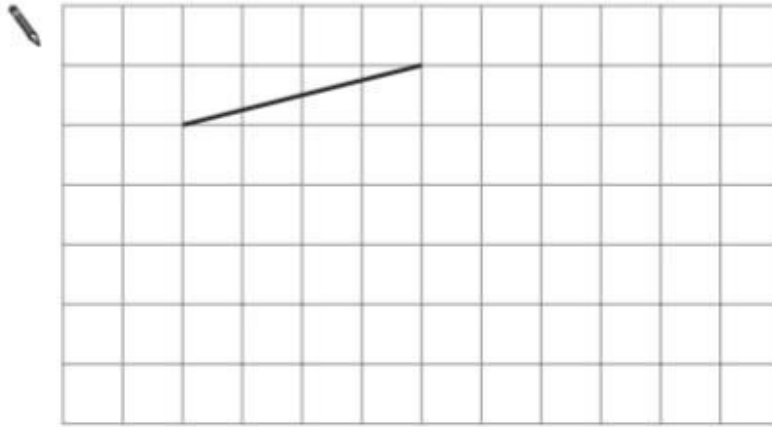
Angle  $e$  is marked with straight lines.

What does this tell you about the angle?



\_\_\_\_\_   
 1 mark

6. (a) The line on the square grid below is one side of a **square**.  
Draw 3 more lines to complete the square.



1 mark

- (b) The line on the square grid below is one side of a **quadrilateral**.  
The quadrilateral has **only one pair of parallel sides**.  
Draw 3 more lines to show what the quadrilateral could be.



1 mark

Key Stage 3: 2007 Paper 1 Level 3-5

9.



15. Sam says:

The **only** four-sided shape with four right angles is a square.

Is Sam correct?



Yes

No

Explain your answer.

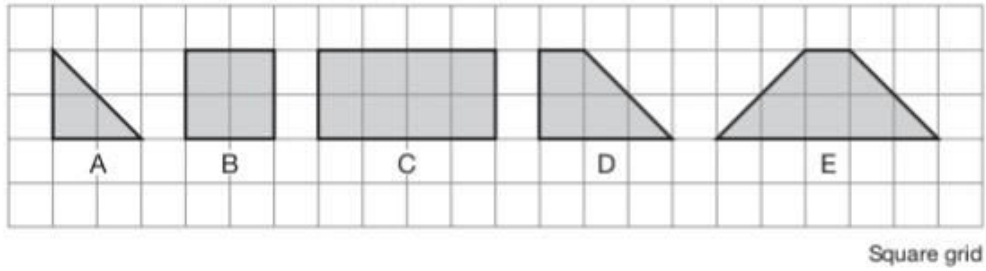


1 mark

Key Stage 3: 2007 Paper 2 Level 3-5

10.

3. Look at these five shapes.



(a) Complete the sentences below.

The first one is done for you.

Shape A is the only shape with **three sides**.



Shape \_\_\_\_\_ is the only shape with **no right angles**.

\_\_\_\_\_ 1 mark

Shape \_\_\_\_\_ is the only shape with **no lines of symmetry**.

\_\_\_\_\_ 1 mark

(b) Now complete this sentence.



Shape **B** is the only shape with **four** \_\_\_\_\_

\_\_\_\_\_ 1 mark

Key Stage 3: 2007 Paper 1 Level 4-6

8. Sam says:

The **only** four-sided shape with four right angles is a square.

Is Sam correct?



Yes

No

Explain your answer.

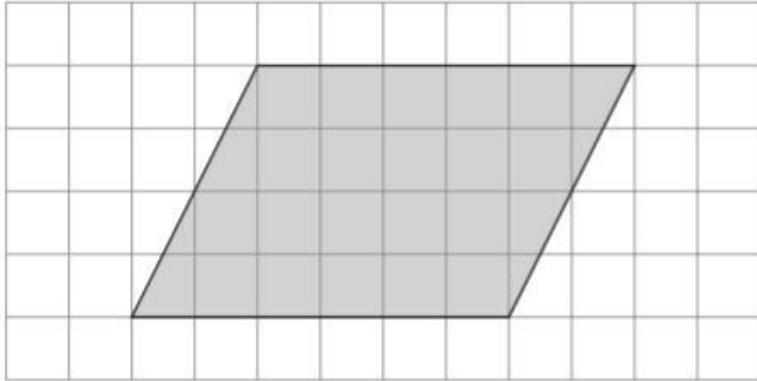


1 mark

Key Stage 3: 2008 Paper 1 Level 3-5

12.

6. Look at the shaded shape drawn on the square grid.



For each statement below, tick (✓) True or False.



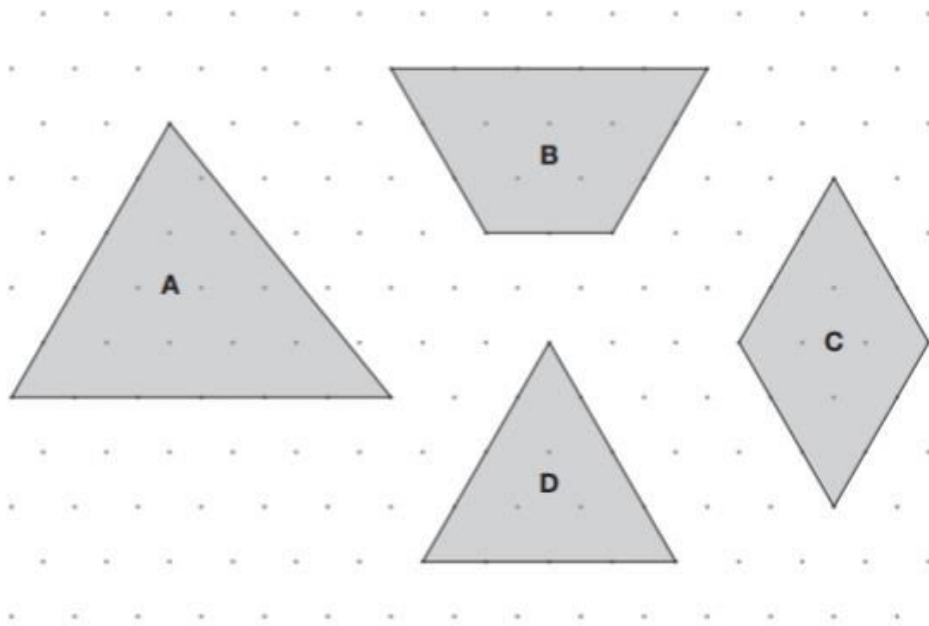
	True	False
The shape is a quadrilateral.	<input type="checkbox"/>	<input type="checkbox"/>
The shape is a square.	<input type="checkbox"/>	<input type="checkbox"/>
The shape has one line of symmetry.	<input type="checkbox"/>	<input type="checkbox"/>
The shape has no right angles.	<input type="checkbox"/>	<input type="checkbox"/>

\_\_\_\_\_  
2 marks

Key Stage 3: 2008 Paper 2 Level 3-5

13.

12. Look at the shaded shapes drawn on an isometric grid.



Write each of B, C and D in its correct place in the table below.



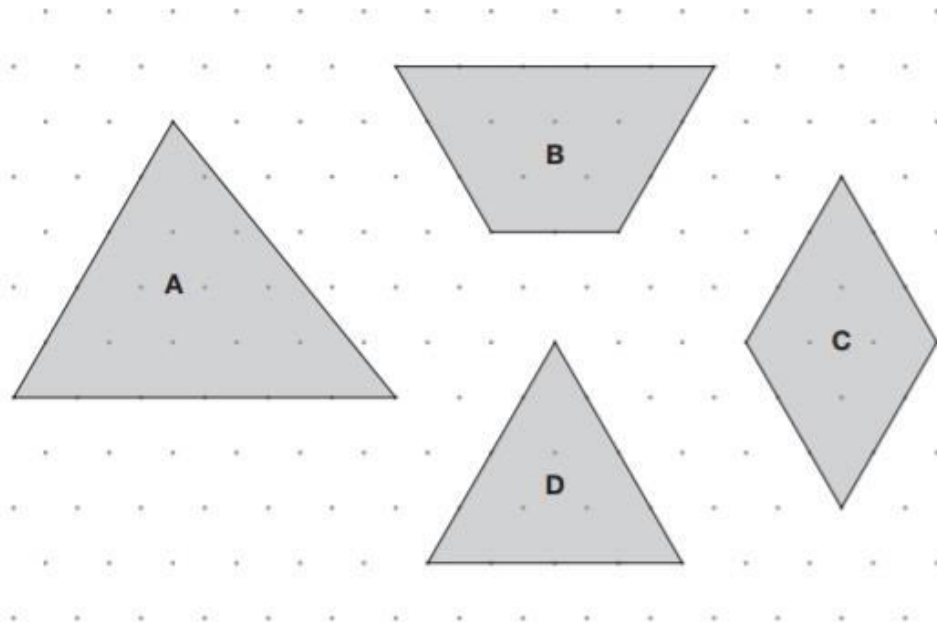
	No equal sides	Exactly 2 equal sides	More than 2 equal sides
Has 3 sides	A		
Has more than 3 sides			

\_\_\_\_\_  
 \_\_\_\_\_  
 2 marks

Key Stage 3: 2008 Paper 2 Level 4-6

14.

4. Look at the shaded shapes drawn on an isometric grid.



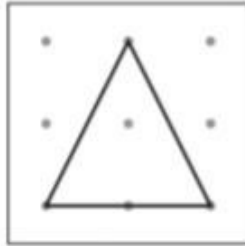
Write each of B, C and D in its correct place in the table below.

	No equal sides	Exactly 2 equal sides	More than 2 equal sides
Has 3 sides	A		
Has more than 3 sides			

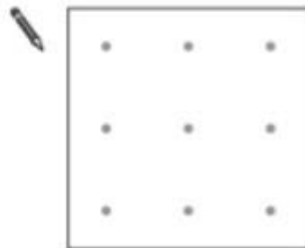
\_\_\_\_\_  
 \_\_\_\_\_  
 2 marks

Key Stage 3: 2009 Paper 2 Level 3-5

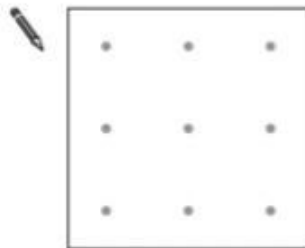
4. Here is a triangle made using the pins on a pin board.



Show how to make a **square**. Use the pins below.

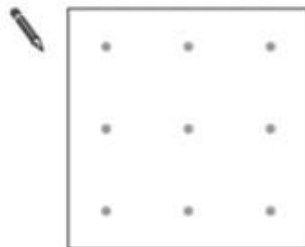


Now show how to make a **different sized square**. Use the pins below.



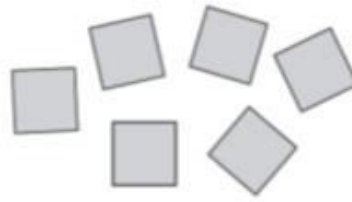
Now show how to make **another square** which is a **different size** to the ones you have drawn.

Use the pins below.

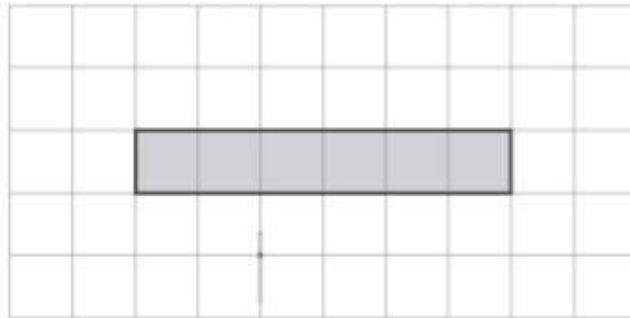


\_\_\_\_\_  
2 marks

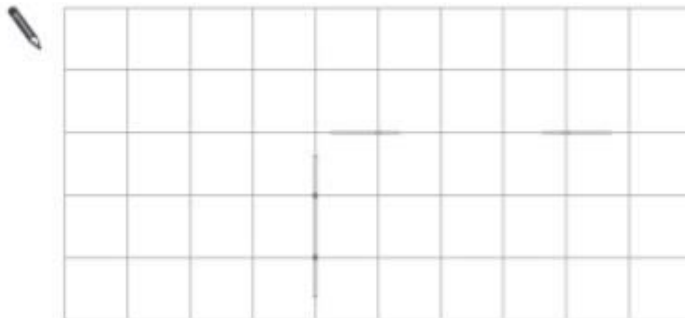
4. Stacey has 6 square tiles that are all the same size.



She joins the 6 tiles to make this rectangle.



- (a) On the grid below, **draw a different** rectangle she could make using the 6 tiles.



\_\_\_\_\_   
 1 mark

- (b) Stacey wants to make a **square** using **more than her 6 tiles**.  
How many **more** tiles does she need?

 \_\_\_\_\_ more

\_\_\_\_\_   
 1 mark



2. (a) Join dots to make a **four-sided shape** that has **four equal angles**.



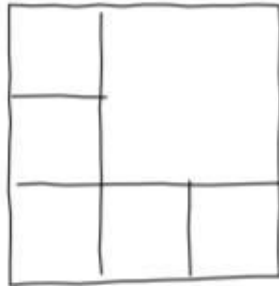
1 mark

(b) Now join dots to make a **four-sided shape** that does **not** have four equal angles.



1 mark

15. Sue wants to split a large square into 6 smaller squares.  
She has this sketch showing how to do it.



On the grid below, join dots to make an **accurate** drawing of a large square split into 6 smaller squares.

Use Sue's sketch to help you.



\_\_\_\_\_  
2 marks