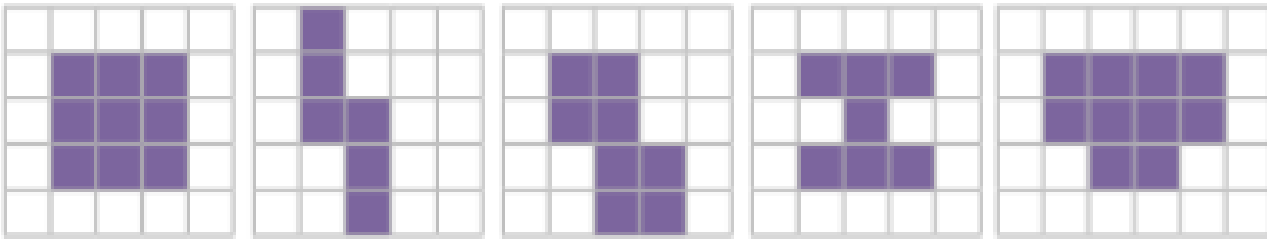1) Match each shape to the correct area.

| The area of this shape is 10 squares. | The area of this shape is 9 squares. | The area of this shape is 7 squares. | The area of this shape is 6 squares. | The area of this shape is 8 squares. |

2) Copy and complete the table for each example.

Shape	Description	Calculation
	There are ____ squares in each row. There are ____ rows altogether. ____ rows of ____ squares equals ____ squares.	____ x ____ = ____ or ____ x ____ = ____
	There are ____ squares in each row. There are ____ rows altogether. ____ rows of ____ squares equals ____ squares.	____ x ____ = ____ or ____ x ____ = ____
	There are ____ squares in each row. There are ____ rows altogether. ____ rows of ____ squares equals ____ squares.	____ x ____ = ____ or ____ x ____ = ____

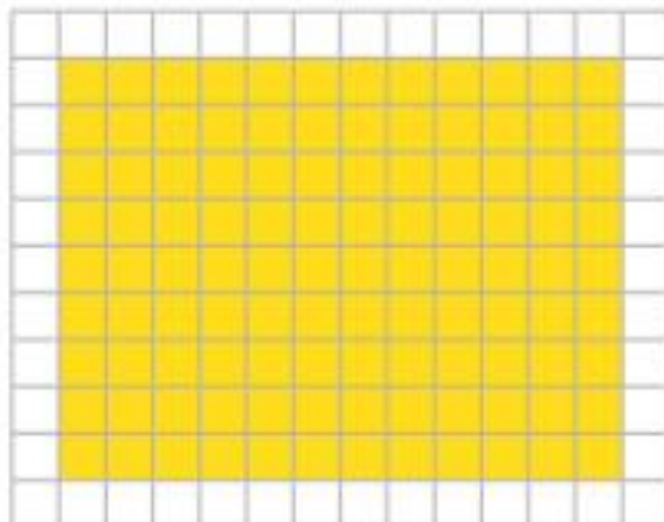3) a) Count the squares of each colour and add them to find the area of the mosaic.
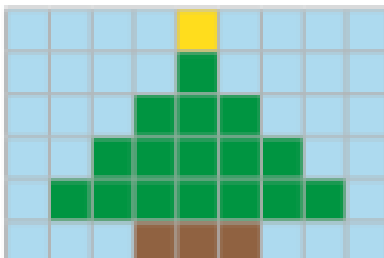
Blue = _____   Brown = _____

Green = _____   Yellow = _____

____ + ____ + ____ + ____ = ____ squares

b) Write a calculation to find the area of the mosaic. _____

c) Which method is better? Why do you think that?

_____

_____

1) Read the statement below.

The most efficient way to calculate the area of this rectangle is to count each square one by one.
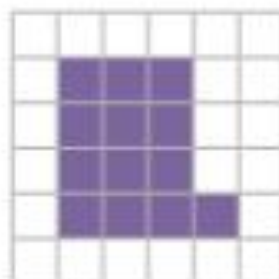
Do you agree or disagree? Explain your answer.

_____

_____

_____

2) Three children have each calculated the area of this rectilinear shape.

Who is right and who is wrong? Explain how you know.

Max   Ava   Ravi
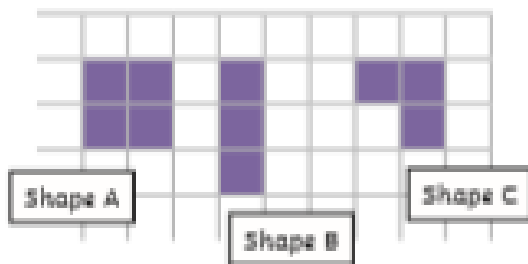
Child	Calculation	Tick or Cross	How Do You Know?
Ravi	4 × 3 = 12		
Max	4 × 4 = 16		
Ava	4 × 3 = 12 12 + 1 = 13		

1) Tamsin has drawn three rectilinear shapes with a total area of 10 squares.

   a) Here is one example she has drawn. Finish off her calculations.

Shape A

Shape B

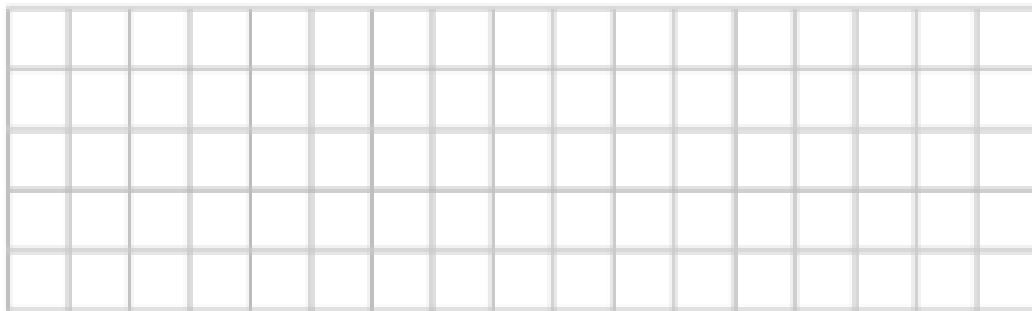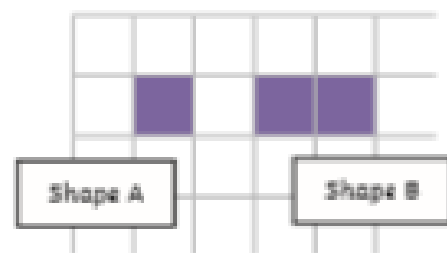Shape C

Area of shape A = _____ squares

Area of shape B = _____ squares

Area of shape C = _____ squares

Total area = _____ + _____ + _____ = 10 squares

   b) India has also been drawing three rectilinear shapes with a total area of 10 squares.

   She has drawn a different shape A and shape B.

   How many different ways can you find to draw shape C? You may wish to use a larger piece of squared paper for your working out.

Shape A

Shape B

2) George has dropped a can of paint on his kitchen floor.
   Can you work out how many squares there are on the kitchen floor altogether? Show your calculations.
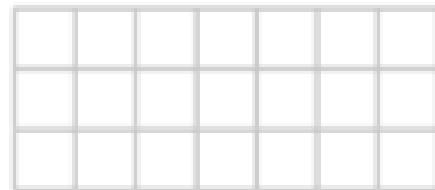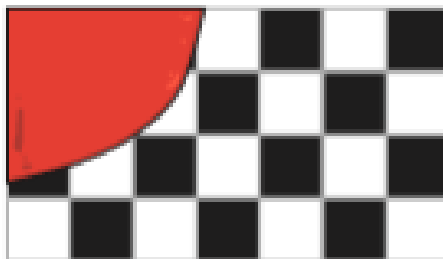
3) Jay has accidentally ripped his page of graph paper.
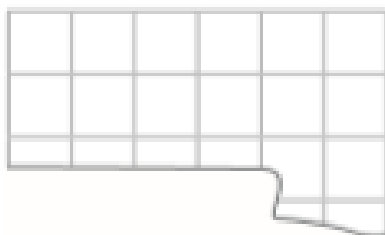
   a) What is the smallest possible area of the whole page of graph paper?

   _____

   b) If the graph paper was 8 squares long, what is the largest possible area?

   _____