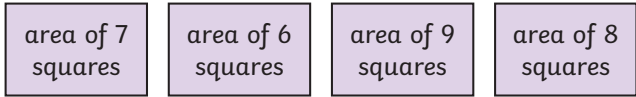
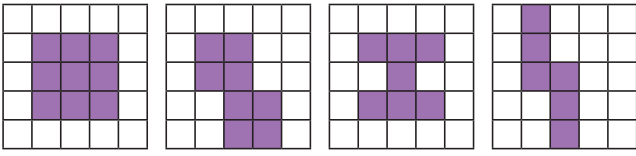


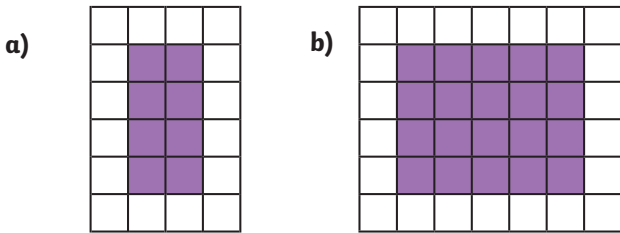
Count Squares



1) Draw lines to match each shape to the correct area.



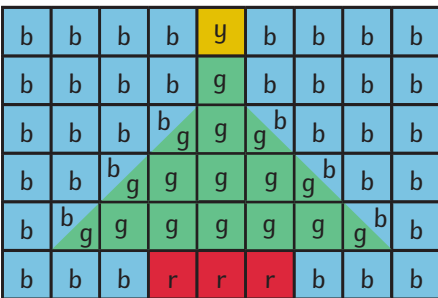
2) Copy and complete the sentences for each example.



There are ___ squares in each row. There are ___ rows altogether.
 ___ rows of ___ squares equals ___ squares.
 ___ × ___ = ___ or ___ × ___ = ___
 The area of the shape is ___ squares.

3)

a) Find the total area of the mosaic.



blue (b) = ___ squares
 green (g) = ___ squares
 red (r) = ___ squares
 yellow (y) = ___ square

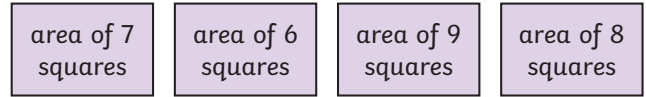
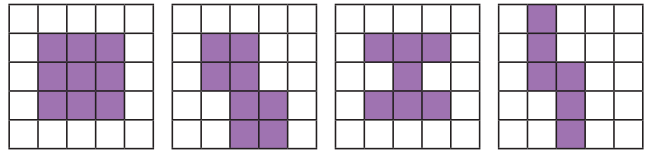
b) Find the total area of the mosaic.



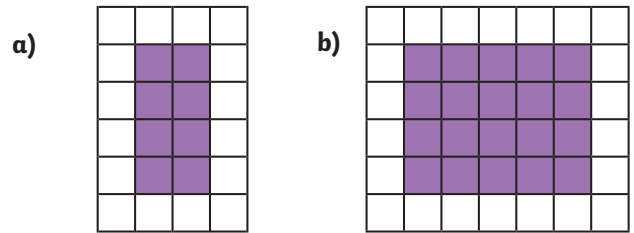
Count Squares



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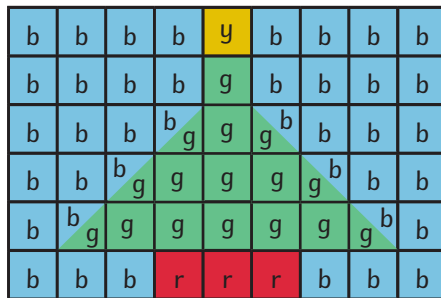
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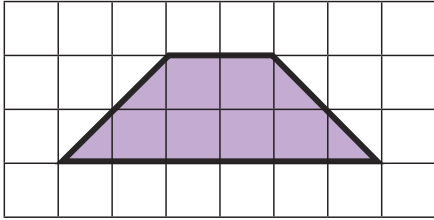
b) Find the total area of the mosaic.



Count Squares



- 1) Amrit and Zeke are counting squares to find the area of this shape.



This shape has an area of 10 squares.

Amrit



I think it has an area of 8 squares.

Zeke

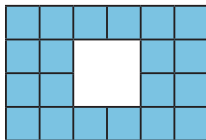
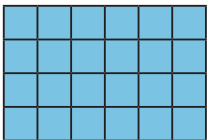
Whose answer do you agree with? Explain your reasoning.

- 2) What error has Hari made? Explain your answer.



Both of these shapes have the same area as each shape has 6 squares in each row and 4 rows altogether. 4 rows of 6 squares equals 24 squares.

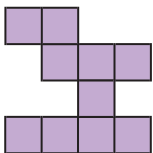
Hari



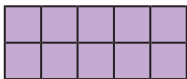
- 3) Is this statement true or false?

All of these shapes have the same area.

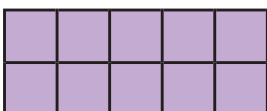
A



B



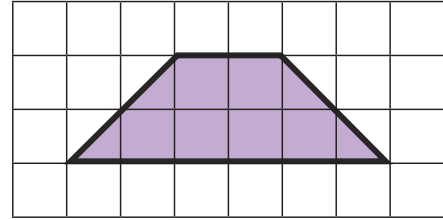
C



Count Squares



- 1) Amrit and Zeke are counting squares to find the area of this shape.



This shape has an area of 10 squares.

Amrit



I think it has an area of 8 squares.

Zeke

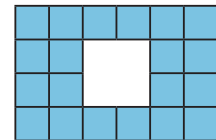
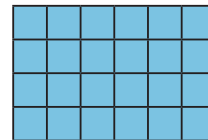
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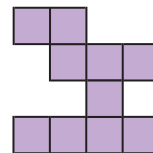
Hari



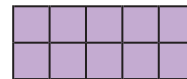
- 3) Is this statement true or false?

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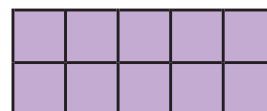
A



B



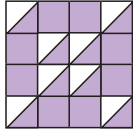
C



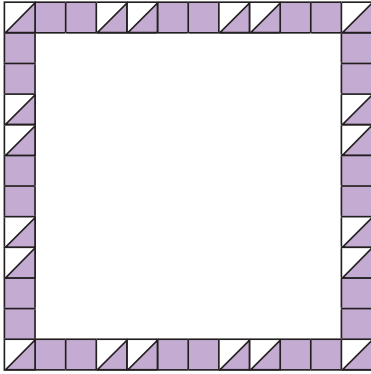
Count Squares



- 1) Jia creates a pattern on squared paper.

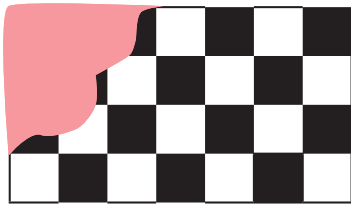


She then repeats the pattern so it covers a larger piece of squared paper. The edges of the pattern are shown below:

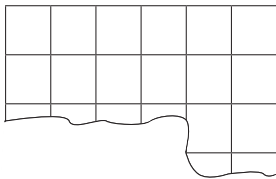


When Jia completes the pattern to fill the whole piece of paper, what area of the paper will be shaded?

- 2) Abi has dropped a can of paint on her kitchen floor. What is the area of the kitchen floor? Show your calculations.



- 3) Joseph has accidentally ripped his page of graph paper.



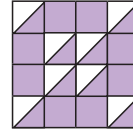
- a) What is the smallest possible area of the whole piece of graph paper?
- b) Give three other possible areas that the whole piece of graph paper could measure.



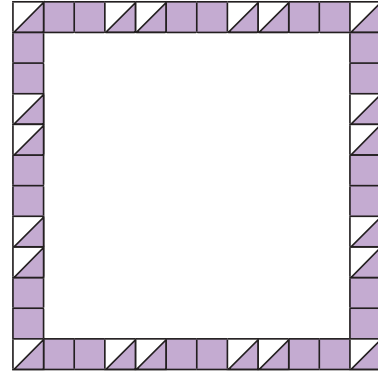
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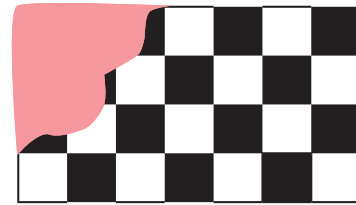


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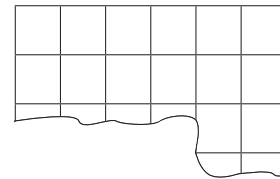


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