

Canonbury Home Learning
Year 4 Maths
Steppingstone activity



Lesson 12

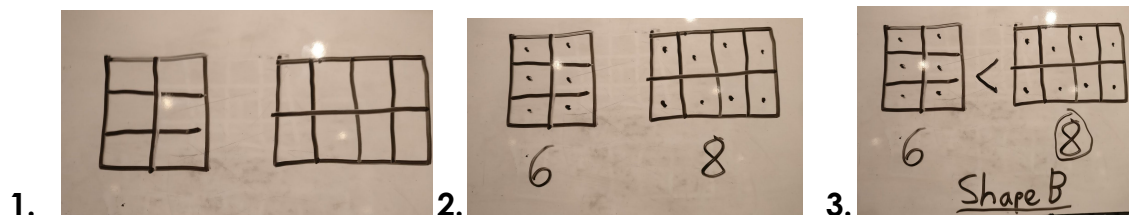
LO: To compare the area of rectilinear shapes

Success Criteria:

- | |
|---------------------------|
| 1. Look at your shapes |
| 2. Count their area |
| 3. Compare the two shapes |

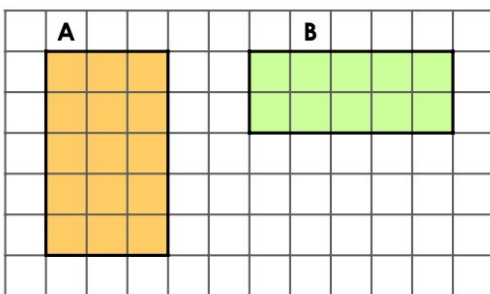
Remember: Count the areas carefully Dot the squares you count

Model

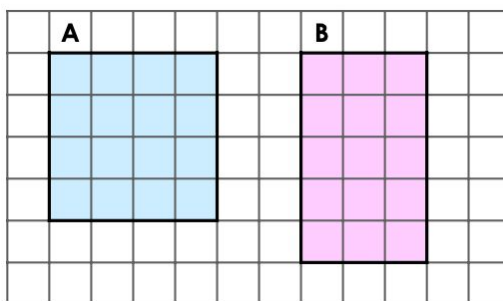


Now you try... What are the areas of the shapes below? ARE ANY EQUAL?

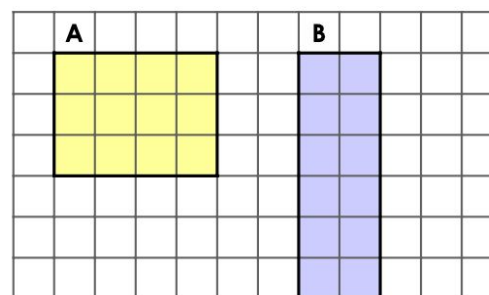
1.



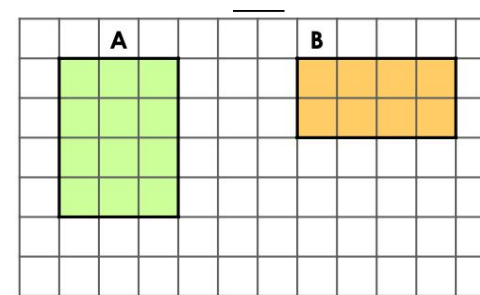
2.



3.



4.



EXT: Draw your own shapes and compare them on the squared paper on the final page

Lesson 12

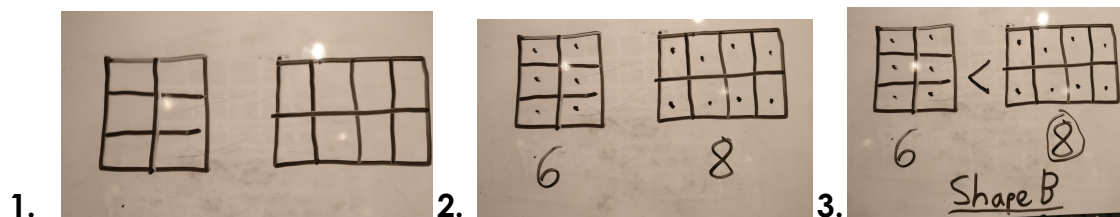
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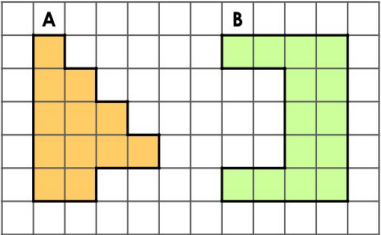
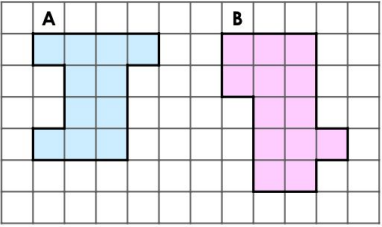
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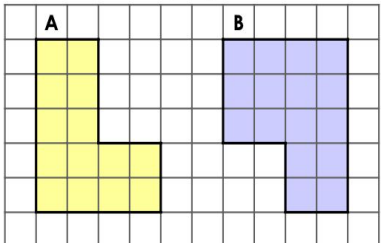
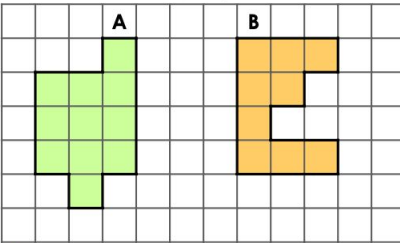
Model:

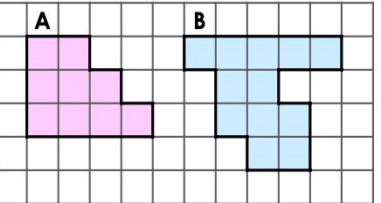
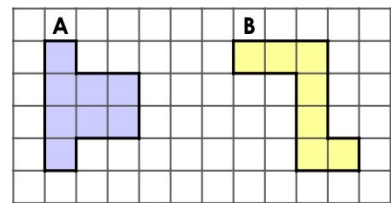


Task 1

Practice: Which has the larger area?

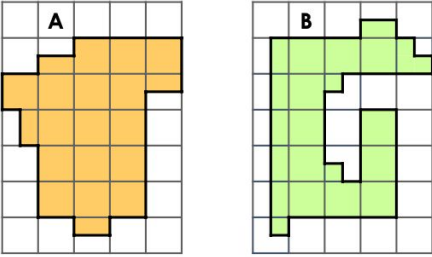
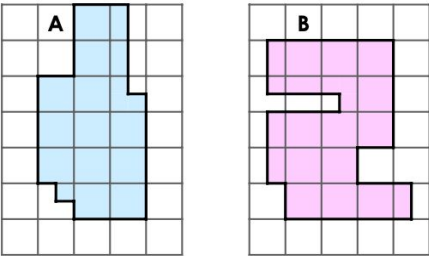
1.  2. 

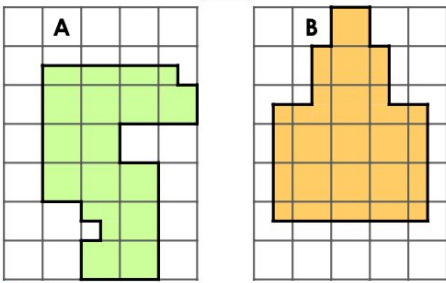
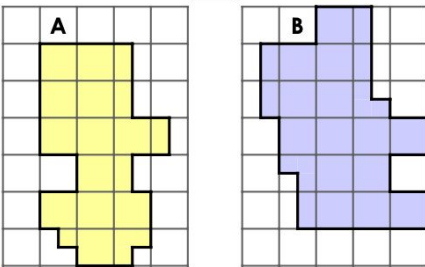
3.  4. 

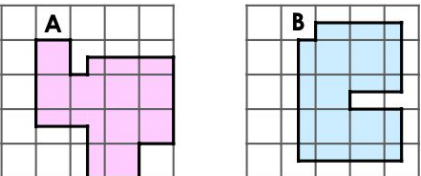
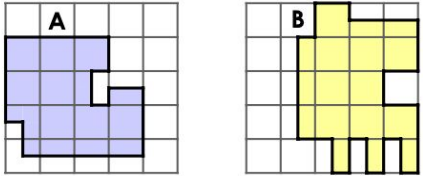
5.  6. 

Task 2

**Practice: Which has the larger area?
Are any equal?**

1.  2. 

3.  4. 

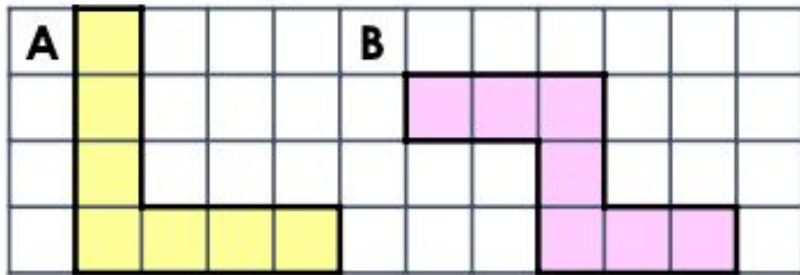
5.  6. 

Task 3

Reasoning

Explain your answers.

6a. Anna and Simon are comparing the area of two shapes.



Anna

Shape B has a larger area.

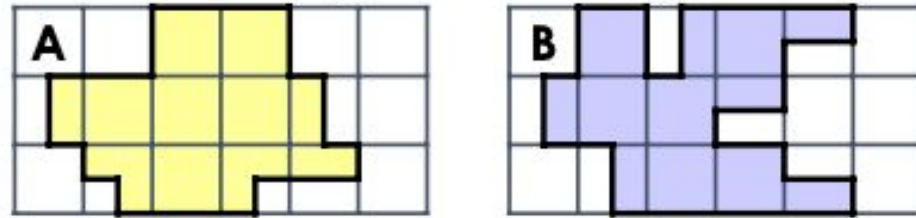
The shapes have the same area.

Who is correct? Prove it.



Simon

9b. Sara and Imran are comparing the area of two shapes.



Sara

Shape A has a smaller area.

The shapes have the same area.

Who is correct? Prove it.



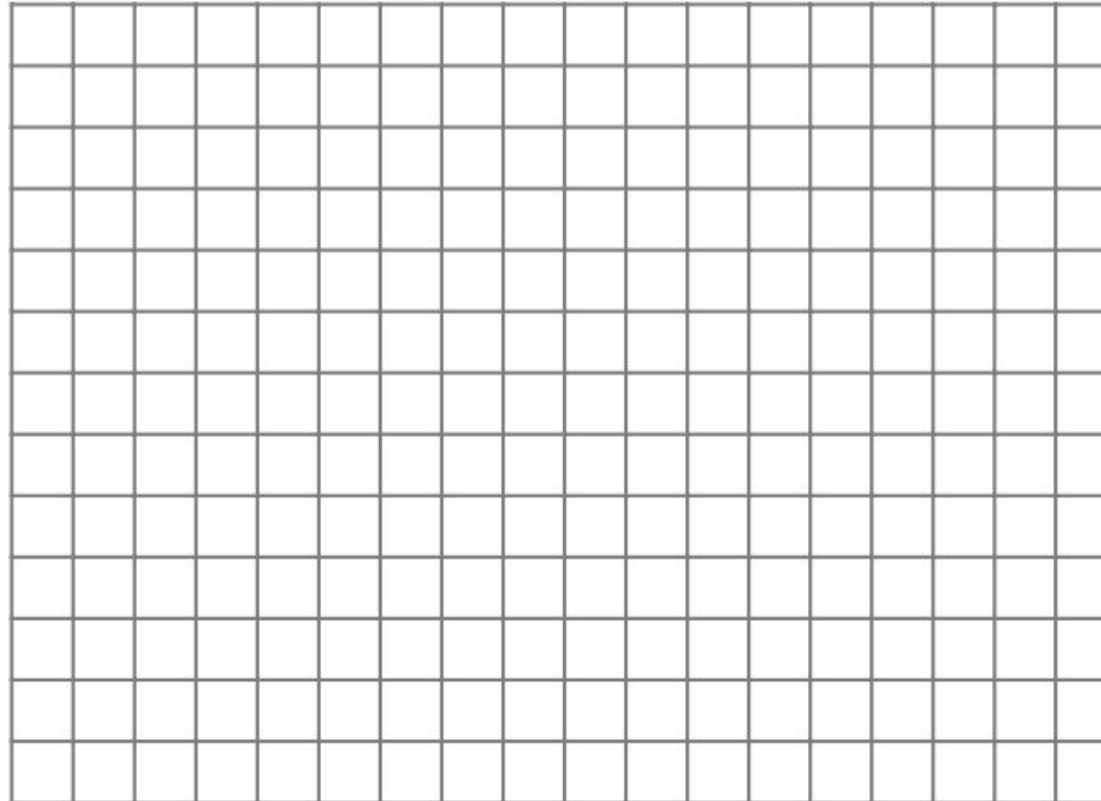
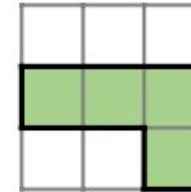
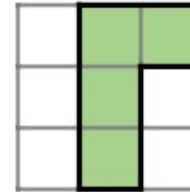
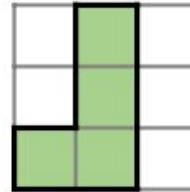
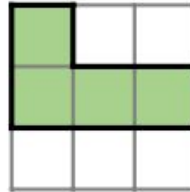
Imran

Task 4

Problem solving

2. Using the 'L' shape below and the grid, investigate each statement. The 'L' can be used multiple times, rotated, flipped and pieced together to create a larger shape.

1. The more sides a shape has, the greater its area will be.



2. I can make a 4-sided shape with an area of 30 squares.

3. I can make an 8, 10 and 12-sided shape that all have the same area.

