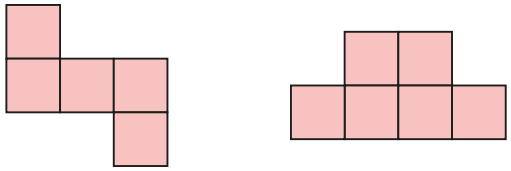
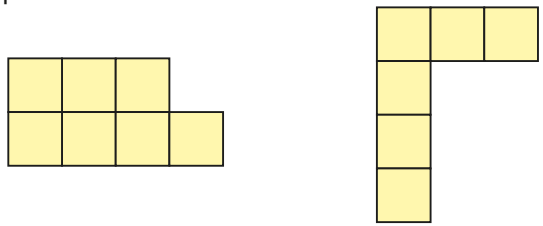
Compare areas

1 **a)** Which shape has the greater area?

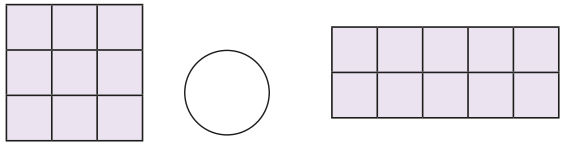


b) Which shape has the smaller area?

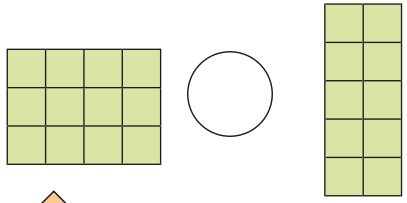


2 Write <, > or = to compare the areas of the shapes.

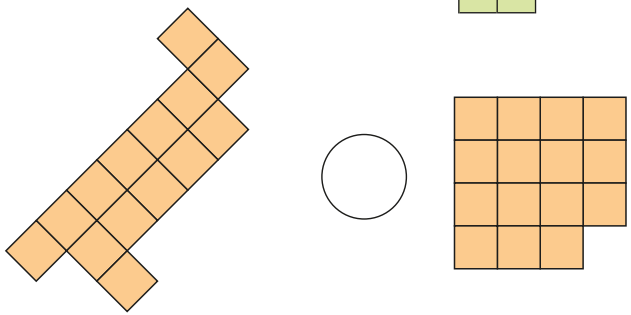
a)



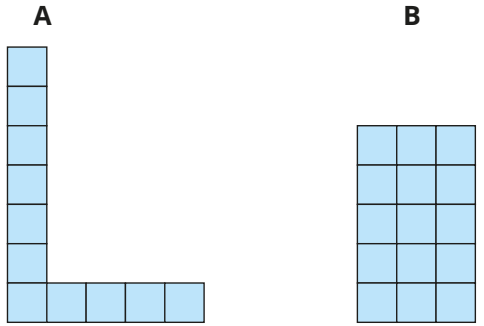
b)

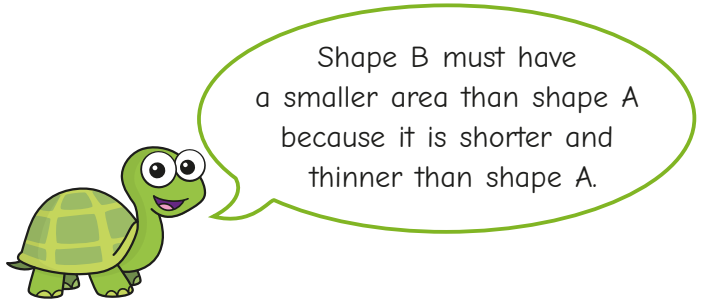


c)



3 Tiny draws these two shapes.

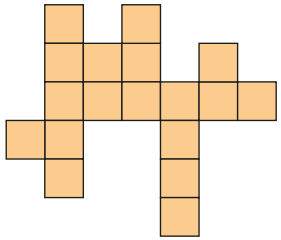




Do you agree with Tiny?

Explain your reasoning.

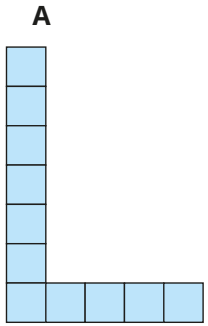
4 Here is a shape.

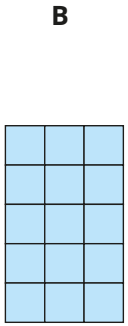


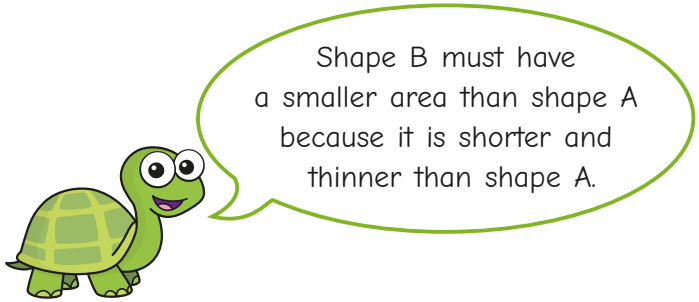
a) What is the area of this shape?

b) Draw a different shape with an area that is 2 squares greater.

3 Tiny draws these two shapes.



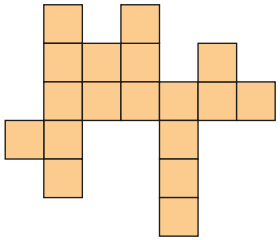




Do you agree with Tiny?

Explain your reasoning.

4 Here is a shape.

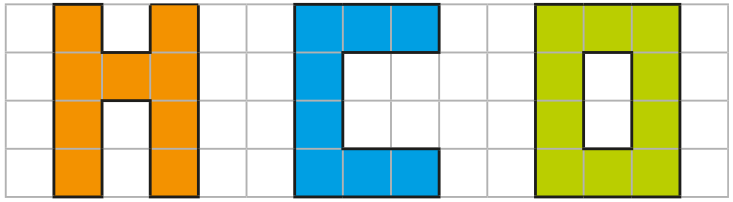


a) What is the area of this shape?

b) Draw a different shape with an area that is 2 squares greater.

5 Put these letter shapes in order of size.

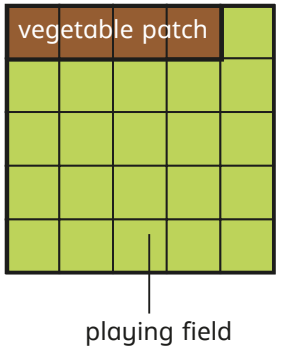
Start with the shape with the smallest area.



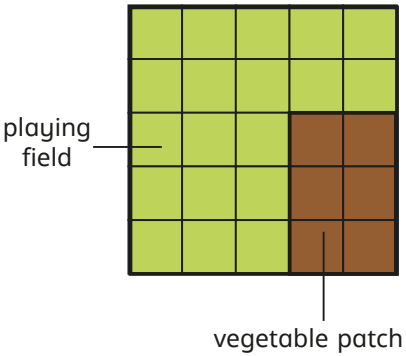
6 Here are the plans of two school fields.

Each has a playing field and a vegetable patch.

High Street School



Main Road School



a) What is the difference in the area of the playing fields?

b) What is the difference in the area of the vegetable patches?

c) High Street School doubles the size of its vegetable patch.

Main Road School adds 1 square to its vegetable patch.

Which school now has the larger vegetable patch?

Show your workings.