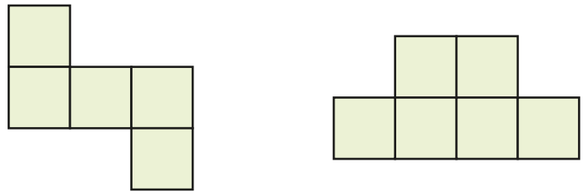
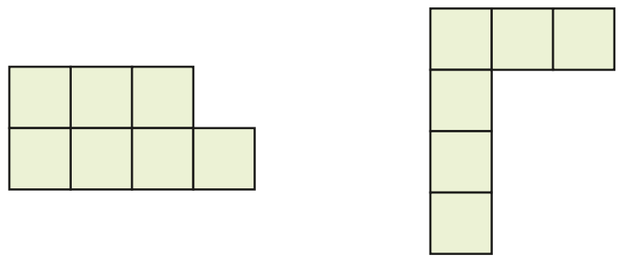
Comparing area

1 **a)** Tick the shape with the larger area.

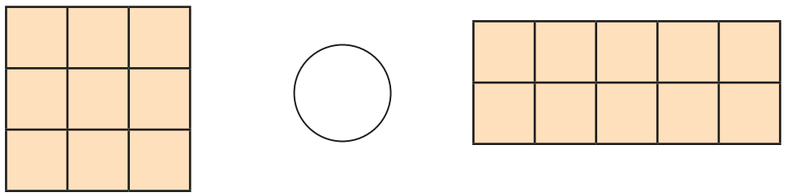


b) Tick the shape with the smaller area.

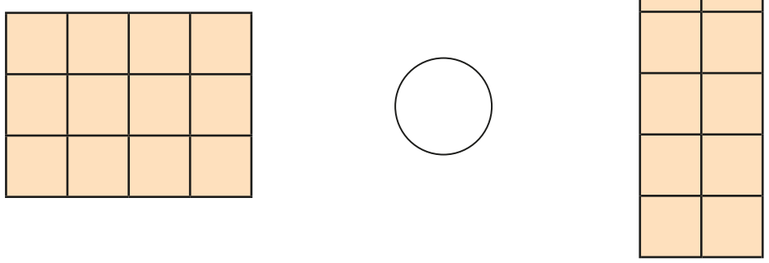


2 Write <, > or = to compare the area of the shapes.

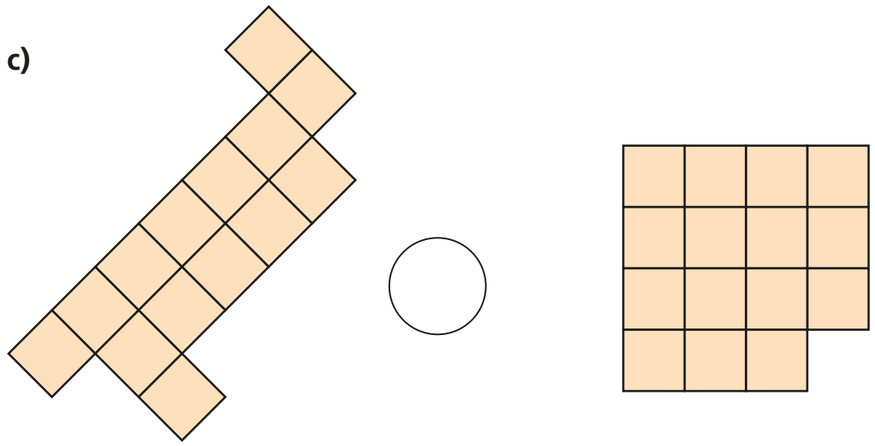
a)



b)

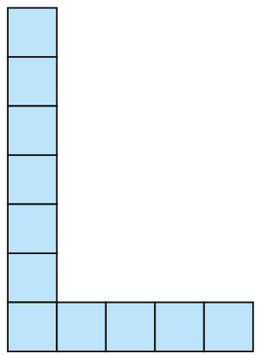


c)

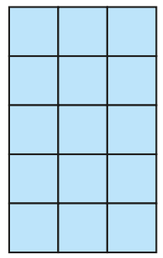


3 Mo draws these two shapes.

A



B

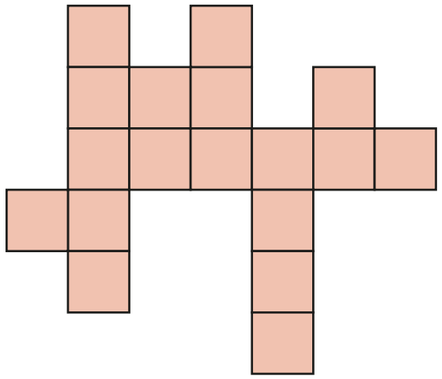


Shape B must have a smaller area than shape A because it is shorter and thinner than shape A.

Do you agree with Mo? _____

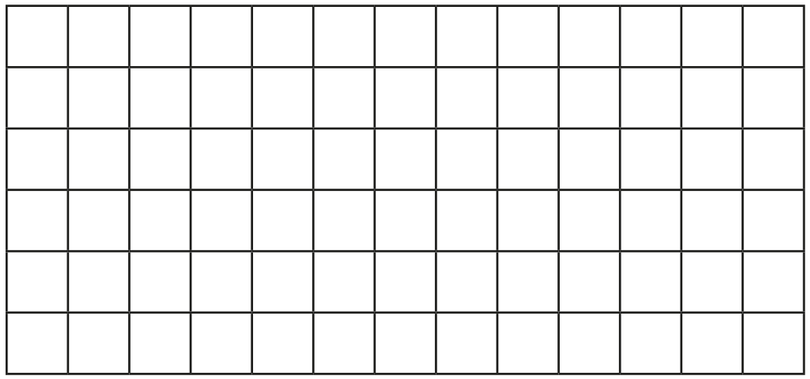
Explain your reasoning.

4 Here is a shape.



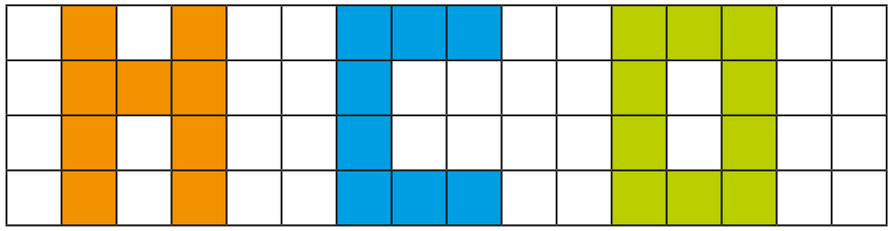
a) What is the area of this shape? ☐ squares

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



5 Put these letter shapes in order of size.

Start with the shape with the smallest area.

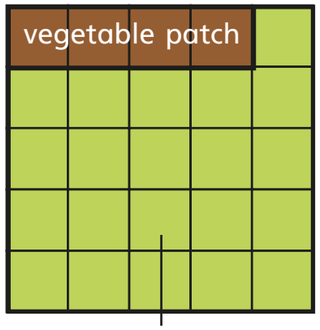


_____ _____ _____

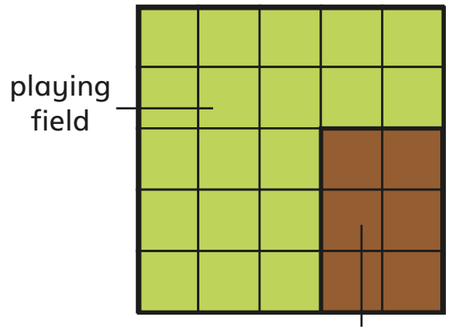
6 Here are plans of two school fields.

Each has a playing field and a vegetable patch.

High Street School



Main Street School



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

The difference in area of the playing fields is ☐ squares.

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

The difference in area of the vegetable patches is ☐ squares.

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 working.

_____ School now has the larger vegetable patch.