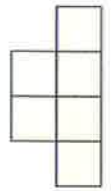


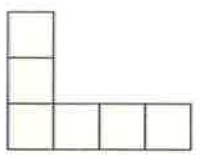
25.02.2021

Comparing area

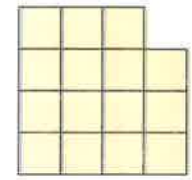
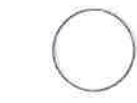
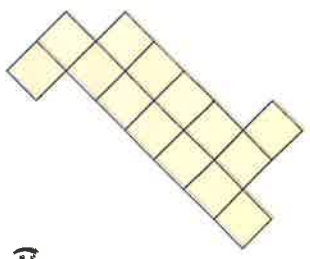
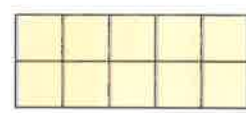
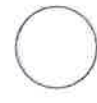
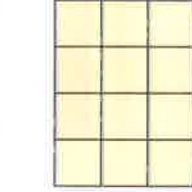
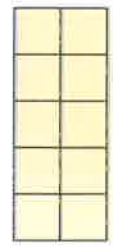
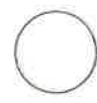
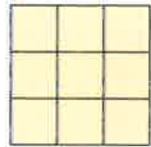
1 a) Which shape has the larger area?



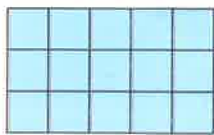
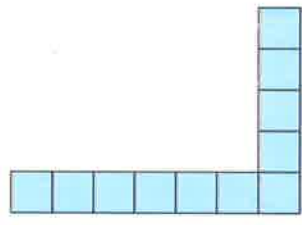
b) Which shape has the smaller area?



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



3 Mo draws these two shapes.

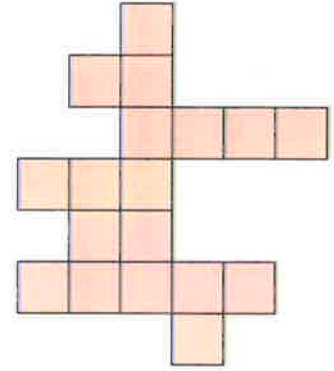


Shape B must have a smaller area than shape A because it is shorter and thinner than shape A.



Do you agree with Mo? Explain your reasoning.

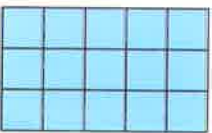
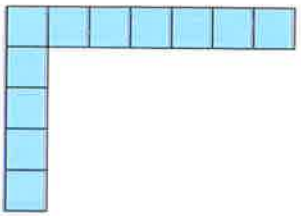
4 Here is a shape.



- a) What is the area of this shape?
- b) Draw a different shape with an area that is 2 squares larger.



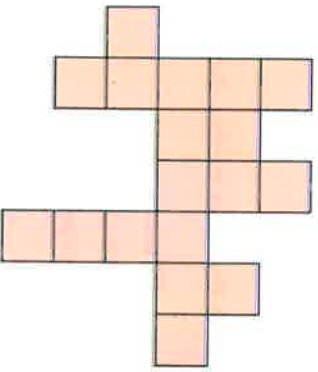
3 Mo draws these two shapes.



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.

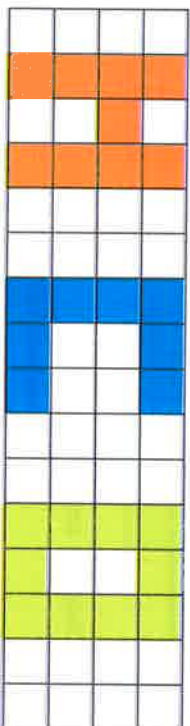


- a) What is the area of this shape?
- b) Draw a different shape with an area that is 2 squares larger.



5 Put these letter shapes in order of size.

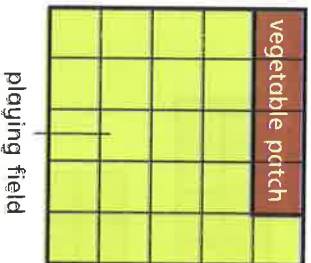
Start with the shape with the smallest area.



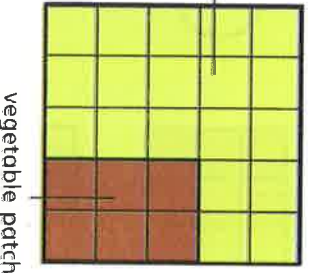
6 Here are plans of two school fields.

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?
- 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 working.