Comparing area

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

   ![Shape A](image1) ![Shape B](image2)

   b) Tick the shape with the smaller area.

   ![Shape C](image3) ![Shape D](image4)

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

   a) 
   
   ![Shape E](image5) < ![Shape F](image6)

   b) 
   
   ![Shape G](image7) > ![Shape H](image8)

3. Mo draws these two shapes.

   ![Shape A](image9) 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? **No**

   Explain your reasoning.
4 Here is a shape.

a) What is the area of this shape? 18 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.

C  H  O

6 Here are plans of two school fields.
Each has a playing field and a vegetable patch.

<table>
<thead>
<tr>
<th>High Street School</th>
<th>Main Street School</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="playing_field.png" alt="Playing Field" /></td>
<td><img src="playing_field.png" alt="Playing Field" /></td>
</tr>
<tr>
<td><img src="vegetable_patch.png" alt="Vegetable Patch" /></td>
<td><img src="vegetable_patch.png" alt="Vegetable Patch" /></td>
</tr>
</tbody>
</table>

a) What is the difference in the area of the playing fields?
The difference in area of the playing fields is 2 squares.

b) What is the difference in the area of the vegetable patches?
The difference in area of the vegetable patches is 2 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.

High Street School now has the larger vegetable patch.