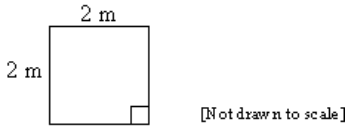


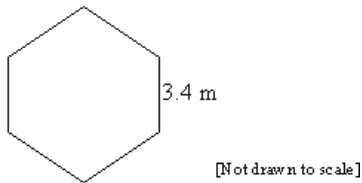
# Enlargement, length and area

This task is about how the scale factor enlargement affects length, area, and volume of 2 and 3 dimensional shapes.



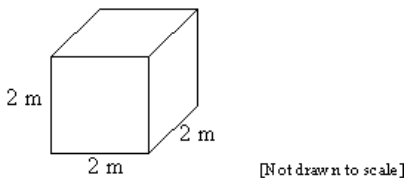
a) If the square above was enlarged by a scale factor of 5:

- what would be the length of each side?  metres
- what would be the area?  square metres
- Complete the following sentence.  
The area of the enlarged square would be  times the area of the original square.



b) If the regular hexagon above was enlarged by a scale factor of 4

- What would be the length of each side?
- Complete the following sentence.  
The area of the enlarged hexagon would be  times the area of the original hexagon.



c) If the cube above was enlarged by a scale factor of 3:

- What would be the length of each side?
- What would be the volume?
- Complete the following sentence.  
The volume of the enlarged cube would be  times the volume of the original cube.