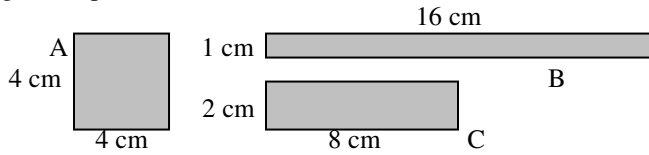
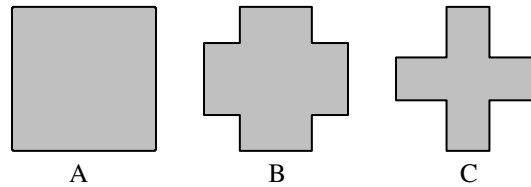


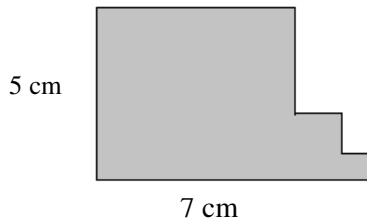
1. The following shapes have the same area. Which one has the greatest perimeter?



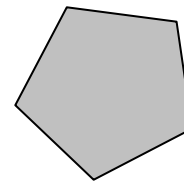
2. The following shapes have the same perimeter. Which one has the greatest area?



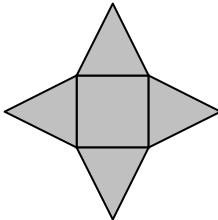
3. Find the perimeter of the following shape.



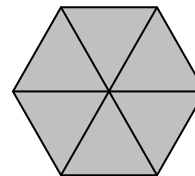
4. Find the perimeter of the regular pentagon with side length of 3.7 cm.



5. Find the perimeter of the following shape formed by placing an equilateral triangle on each side of a square of side length of 2 cm.



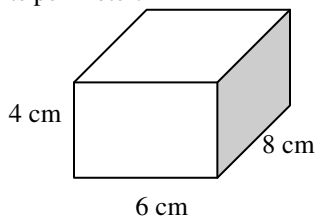
6. The regular hexagon has side length of 4 cm. It has 6 equilateral triangles inside. Draw accurately a shape with each triangle outside on each side of the hexagon. Find the perimeter of your drawing.



7. In Q5 the area of each triangle is 1.73 cm^2 . Find the total area of the shape.

8. In Q6 the area of each triangle is 6.93 cm^2 . Find the total area of your drawing.

9. A rectangular box with no lid (shown below) is cut along the vertical edges and flattened. Draw the flattened shape and find its perimeter.



10. Find the total area of the flattened shape in Q9.

Numerical, algebraic and worded answers.

4. 18.5 cm 2. A 6. 48 cm 9. 60 cm 3. 24 cm 7. 10.92 cm^2 1. B 5. 16 cm 8. 83.16 cm^2 10. 160 cm^2