



# CTSC

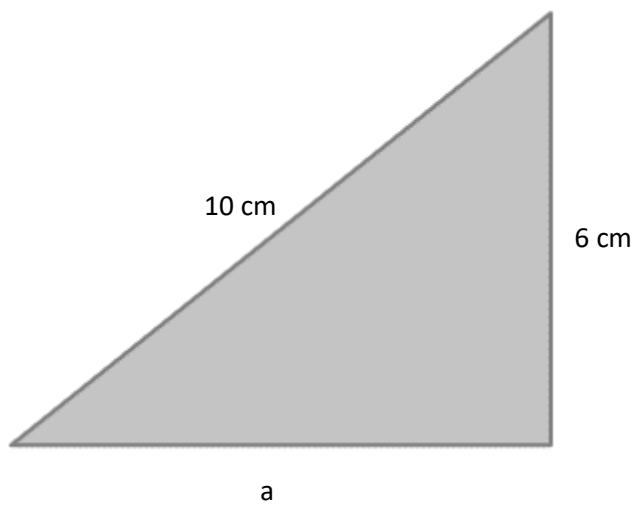


## MATHS THINKER

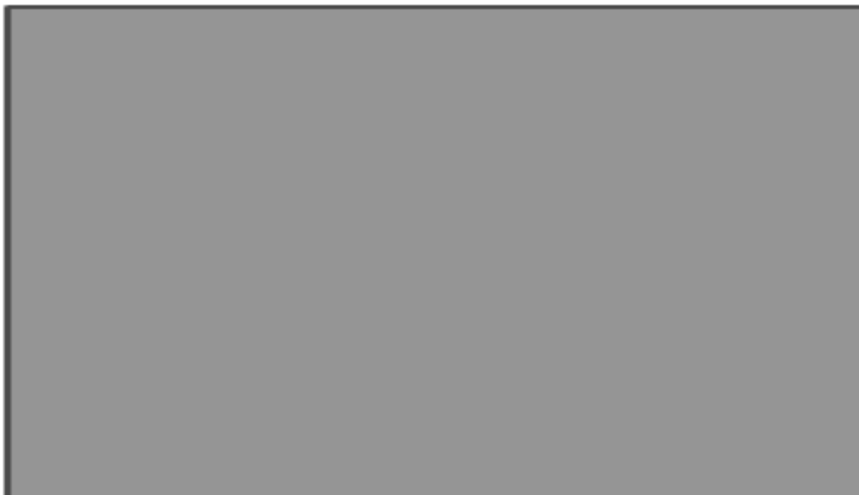
Grade 6 - Perimeter, Area & Volume

### PERIMETER, AREA AND VOLUME

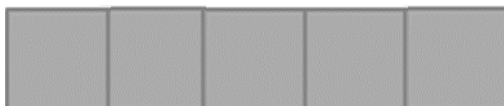
1. The school just got a new pool that is triangular in shape. The length of the 3 sides of the pool is 10 cm, 6 cm and the last side has an unknown length (a). The perimeter of the pool is 24 cm. Find the value of a in centimetres.



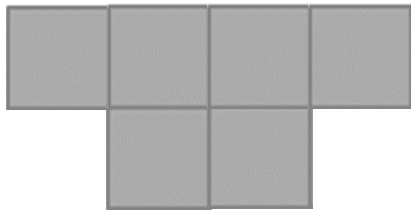
2. Look at the rectangle below. Using a ruler as a measuring tool, give the perimeter of the rectangle in centimetres.



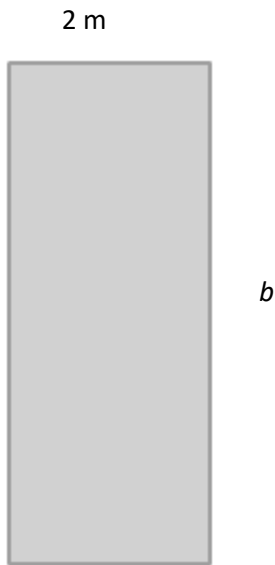
3. This rectangular is made of unit squares. What is the area of the shape below?



4. This irregular shape is made of unit squares. What is the area of the shape below?



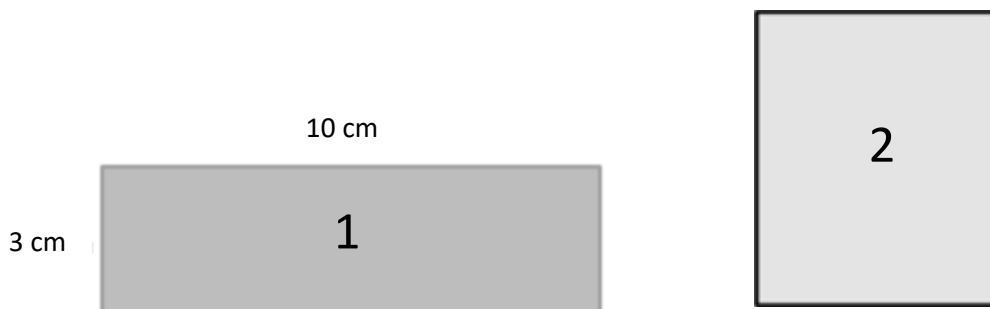
5. The long jump pit is a rectangle with lengths as stated in the diagram below. Calculate the length of  $b$  in metres, if the area of the long jump pit is equal to  $10 \text{ m}^2$



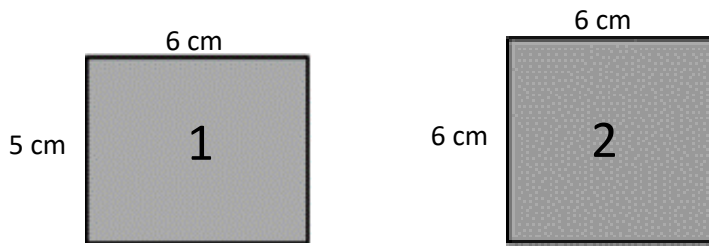
6. What is the area of the square below?



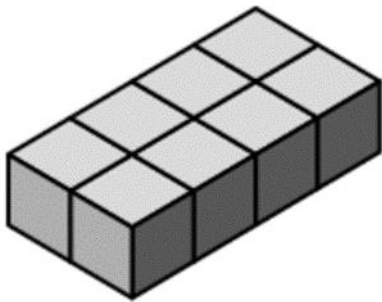
7. The rectangles below have the same area. If the perimeter of rectangle no. 2 is 22 centimetres, what are the dimensions of rectangle no. 2?



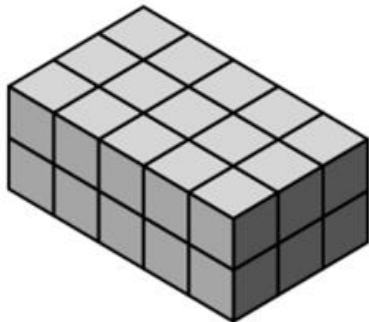
8. Which shape has the greater area?



9. Looking at the shape below, give the volume in cubic squares?



10. Looking at the shape below, give the volume in cubic squares?



## MEMORANDUM

1. 8 cm
2. 64cm (*It may differ if you are viewing it on your computer and your monitor is a different size*)
3. 5 square units
4. 6 Square units
5. 5 m
6. 16 m<sup>2</sup>

7. The dimensions of rectangle no.2 is 5 cm by 6 cm.
8. 2
9. 8 cubic squares
10. 30 cubic squares