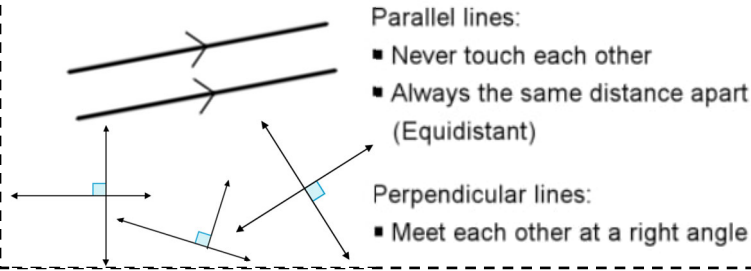
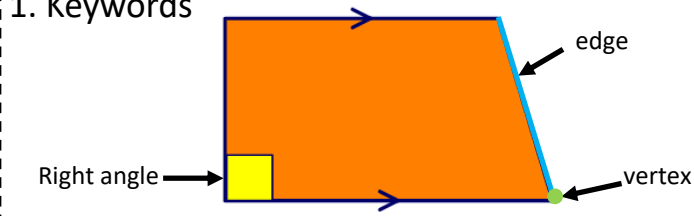
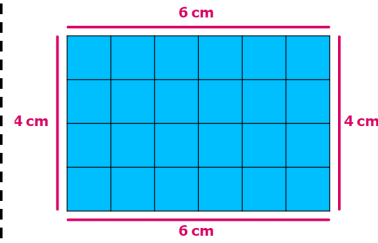


# 1. Keywords

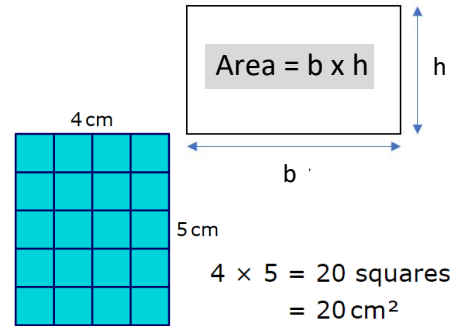


# 3. Perimeter



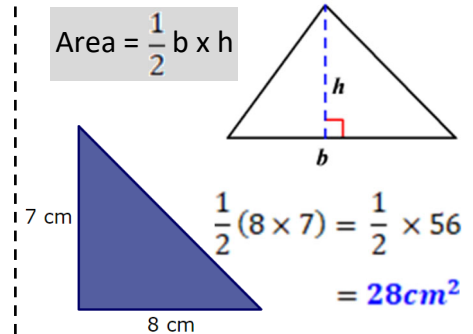
The perimeter is the total distance around the edge of the shape.  
 $6\text{ cm} + 4\text{ cm} + 6\text{ cm} + 4\text{ cm} = 20\text{ cm}$

# 4. Area of Rectangle



$4 \times 5 = 20\text{ squares} = 20\text{ cm}^2$

# 5. Area of Triangle



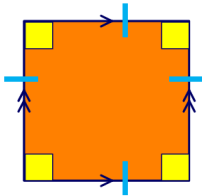
$\text{Area} = \frac{1}{2} b \times h$   
 $\frac{1}{2} (8 \times 7) = \frac{1}{2} \times 56 = 28\text{ cm}^2$

# Maths, Y7 - Classifying shapes, Area and Perimeter

## 2. Properties of Quadrilaterals

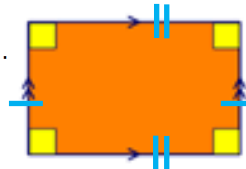
### Square

Opposite sides are parallel.  
 All angles are  $90^\circ$ .  
 All sides are equal length.  
 A square is a special rectangle, with all sides equal.



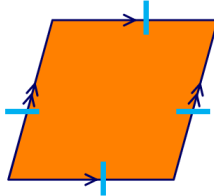
### Rectangle

Opposite sides are parallel.  
 All angles are  $90^\circ$ .  
 Opposite sides are equal length.



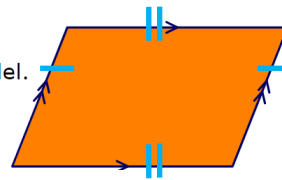
### Rhombus

Opposite sides are parallel.  
 All 4 sides are equal length.  
 A rhombus is a special type of parallelogram where all sides are equal length.



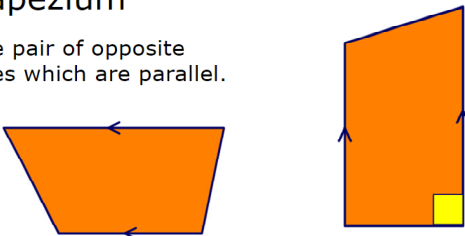
### Parallelogram

Opposite sides are parallel.  
 Opposite sides are equal length.



### Trapezium

One pair of opposite sides which are parallel.

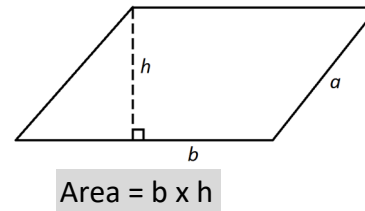


### Kite

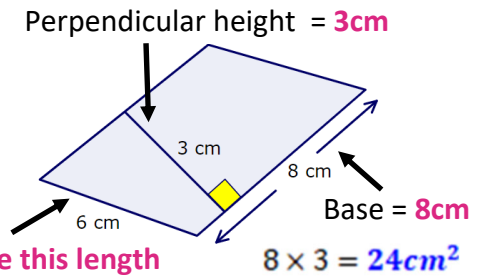
Two pairs of equal sides. The equal sides are adjacent to (next to) each other, rather than opposite.



# 6. Area of Parallelogram



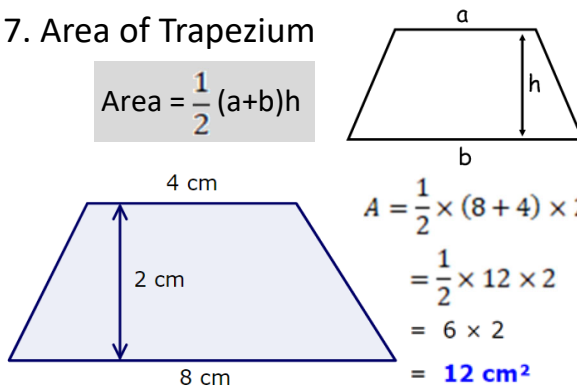
$\text{Area} = b \times h$



$8 \times 3 = 24\text{ cm}^2$

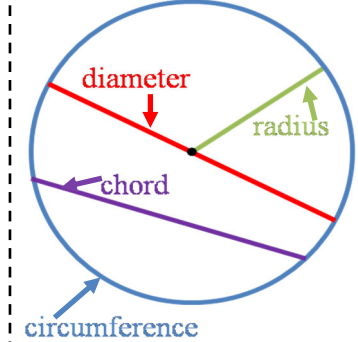
# 7. Area of Trapezium

$\text{Area} = \frac{1}{2} (a+b)h$



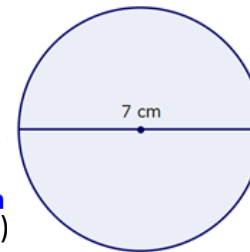
$A = \frac{1}{2} \times (8+4) \times 2$   
 $= \frac{1}{2} \times 12 \times 2$   
 $= 6 \times 2$   
 $= 12\text{ cm}^2$

# 8. Parts of a circle



# 9. Circumference

$C = \pi \times d$   
 $= \pi \times 7$   
 $= 7\pi$   
 $= 21.99\text{ cm}$  (to 2 dp)



# 10. Area of Circle

$A = \pi \times r^2$   
 $A = \pi \times 5^2$   
 $A = 25\pi$   
 $A = 78.5\text{ cm}^2$  (to 1 dp)

