

Metric Measures

Length

- 1km = 1000m
- 1m = 100cm
- 1cm = 10mm

Perimeter

distance around the
outside of a 2D shape

1-Dimension: length

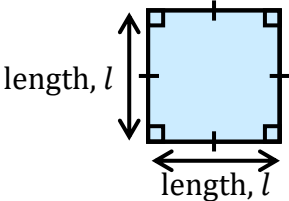
- | | | | |
|----|----|---|----|
| mm | cm | m | km |
|----|----|---|----|

Area

space
inside a 2D shape

2-Dimensions: length, width

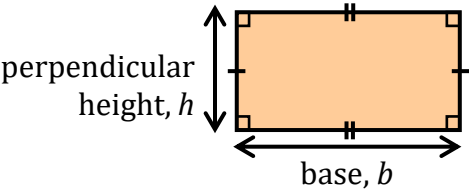
- | | | | |
|-----------------|-----------------|----------------|-----------------|
| mm ² | cm ² | m ² | km ² |
|-----------------|-----------------|----------------|-----------------|



Square

Area = length × length

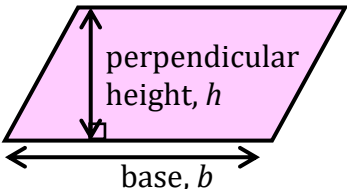
A = l²



Rectangle

Area = base × perpendicular height

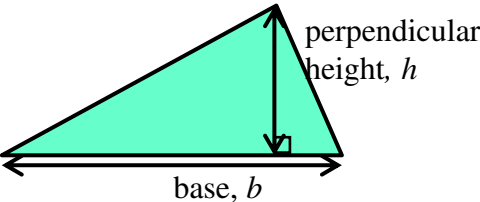
A = bh



Parallelogram

Area = base × perpendicular height

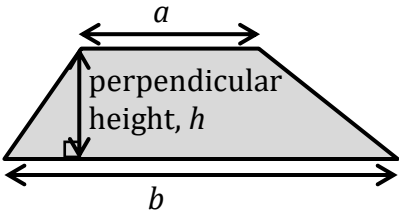
A = bh



Triangle

Area = 1/2 × base × perpendicular height

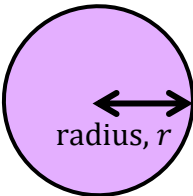
A = 1/2 bh



Trapezium

Area = 1/2 (sum of parallel sides) × perpendicular height

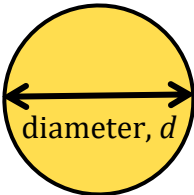
A = 1/2 (a + b)h



Circle - Area

Area = π × radius × radius

A = πr²



Circle - Circumference

Circumference = π × diameter

C = πd