

Math

5.5 - Pythagoras' Theorem

$$a^2 + b^2 = c^2$$

(where c is the longest side/hypotenuse)

7.1 - Circumference and area of a circle

$$C = 2\pi r$$

$$A = \pi r^2$$

7.2 - Areas of compound shapes

To find the perimeter - add **only the boundaries** of the shape

To find the area - find the area of each shape and add/subtract

7.3 - Large and small units

Tera - 10^{12}

Giga - 10^9

Mega - 10^6

Kilo - 10^3

Hecto - 10^2

Deca - 10^1

Deci - 10^{-1}

Centi - 10^{-2}

Milli - 10^{-3}

Micro - 10^{-6}

Nano - 10^{-9}

Pico - 10^{-12}

Note: When going DOWN this list, you multiply by 10, and when going UP this list, you divide by 10.