

# Rounding decimal numbers

d.p = decimal place.

1 d.p      27. 1345  
round to 1d.p      = 27.1

2 d.p      we look at the third digit after the decimal point

↪ round up one.

Eg. 345.7651  
round to 2 d.p      = 345.77

Round to 3 d.p we look at the fourth digit after the decimal point.

Eg  $1.37\underline{48}$

4th digit

5 or greater round up one

Ans = 1.375

Eg  $1.374\underline{4}$   
Ans = 1.374

Round to the nearest whole number

Eg  $137.\underline{3}$

0 - 4 no change

5 - 9 increase by 1.

Ans = 137

Round to the nearest 10 and estimate the value

$$\text{eg } \frac{5.55 \times 16.8}{10.1}$$

$$\frac{10 \times 20}{10} = \frac{200}{10} = 20$$

CIW Pg 112 Q1  $\rightarrow$  9