

Year 10 Foundation work covered from September to October half-term

## Percentages

**on a calculator**

39% of 82  
 $0.39 \times 82$

Change to a decimal and multiply

**increasing**

Increase £60 by 12%

$12\% \text{ of } 60 = 0.12 \times 60 = \text{£}7.20$

New amount =  $\text{£}60 + \text{£}7.20 = \text{£}67.20$

**ADD**

**fraction to %**

$\frac{15}{20} = \frac{75}{100} = 75\%$

OR

$15 \div 20 \times 100 = 75\%$

**decreasing**

decrease £60 by 12%

$12\% \text{ of } 60 = 0.12 \times 60 = \text{£}7.20$

New amount =  $\text{£}60 - \text{£}7.20 = \text{£}52.80$

**SUBTRACT**

%

## Angle Rules

180°

straight lines

supplementary

triangles

round a point

360°

quadrilaterals

opposite

alternate

corresponding

Equal

parallel lines

polygons

interior angle

exterior angle

add up to 360°

angle sum =  $(n - 2) \times 180^\circ$

### Finding the nth Term for Linear Sequences

5    8    11    14    17...

+3    +3    +3    +3

This number goes here

3 n +

5    8    11    14    17...

+3

The difference between these numbers goes here

3 n + 2