

## Properties of Quadrilaterals



Parallelogram Opposite sidea are parallel. Opposite angles are equal. Has co-interior angle
 parallel

Rectangle All angles 90 Two pairs equal sides. Opposite sides parallel.


Rhombus All sides equal
Opposite angles are equal.


## Trapezium

 One pair of parallel linesKite No parallel lines. Two pairs of equal lengths One pair of equal opposite angles.

Sum of Interior angles = (number of sides - 2) x 180



An irregular polygon has sides and angles of different sizes.

| Common <br> polygons | Number <br> of sides | Name |
| :---: | :---: | :--- |
|  | 5 | Pentagon |
|  | 6 | Hexagon |
|  | 7 | Heptagon |
|  | 8 | Octagon |
|  | 10 | Necagon |



Missing angles in regular polygons
Exterior angle in regular polygons
$=360 \div$ number of sides

Interior angle in regular polygons

$$
=\frac{(\text { number of sides }-2) \times 180^{\circ}}{\text { number of sides }}
$$

