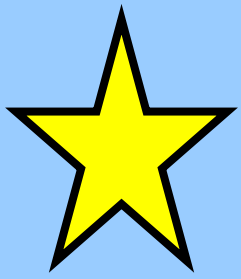


# Maths





# WALT



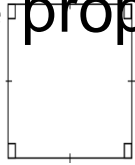
WALT find angles in quadrilaterals  
I can:

- Name the different quadrilaterals.
- Understand their different properties
- add and subtract to find missing angles.

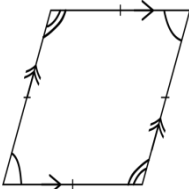


# Starter

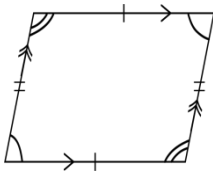
Link the quadrilateral with the correct shape name and angle properties



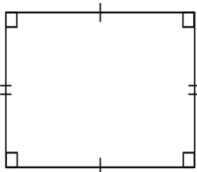
2



3



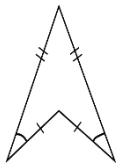
4



5



6



**Rectangle**

**All angles are equal**

**Square**

**A pair of angles are equal**

**Arrowhead**

**2 pairs of angles are equal**

**Kite**

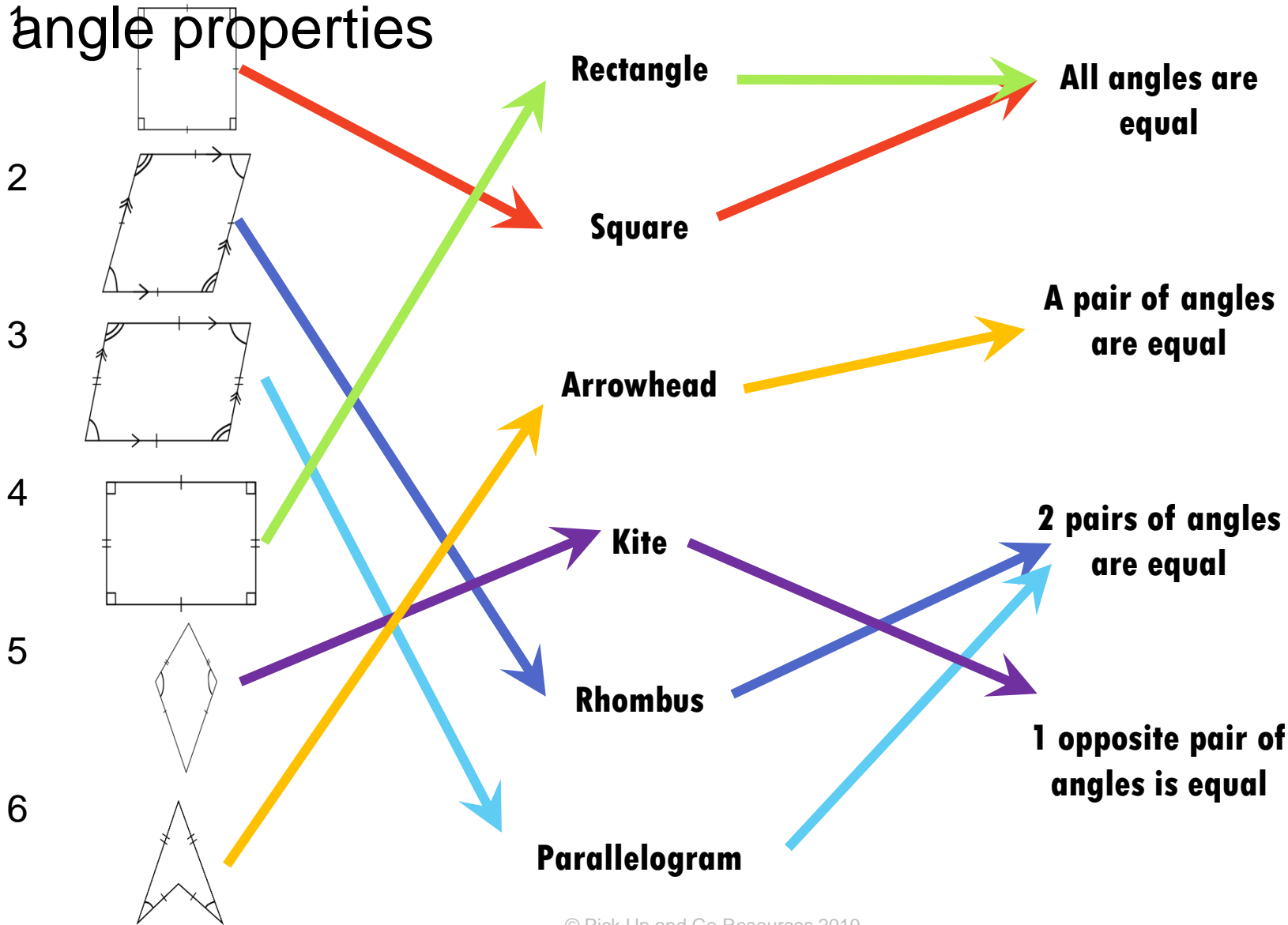
**1 opposite pair of angles is equal**

**Rhombus**

**Parallelogram**

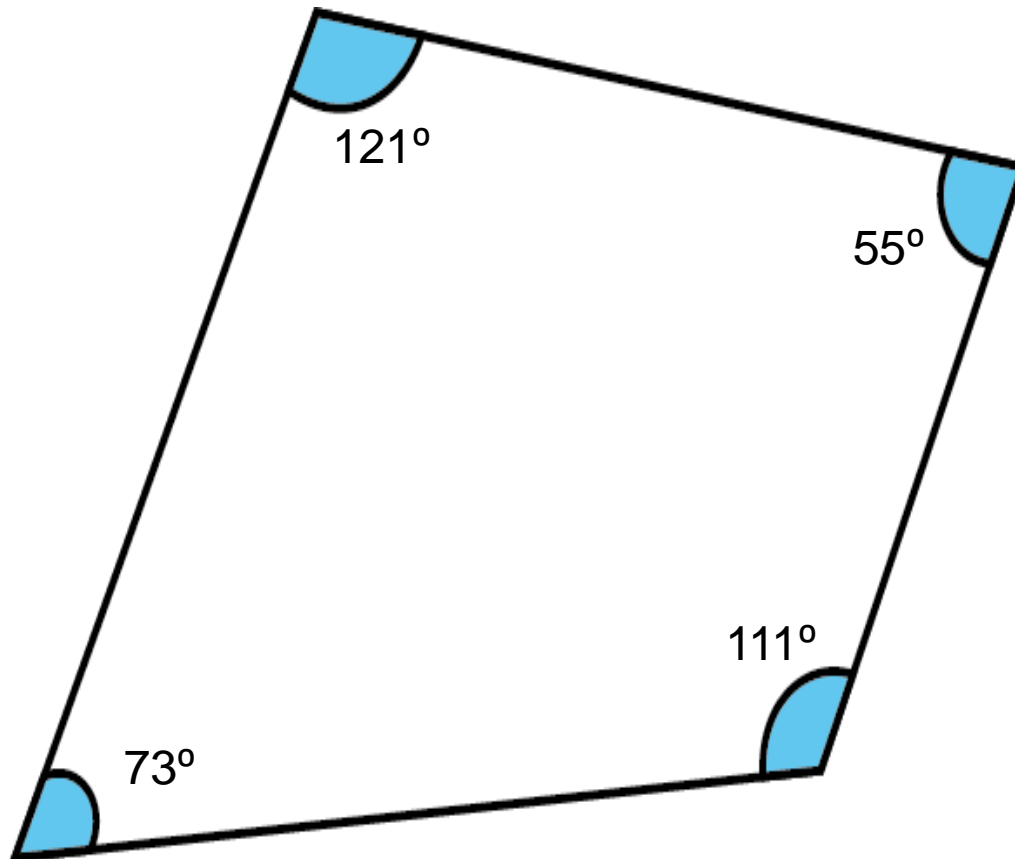
# Answers

Link the shape with the correct shape name and angle properties



# Angles in a quadrilateral

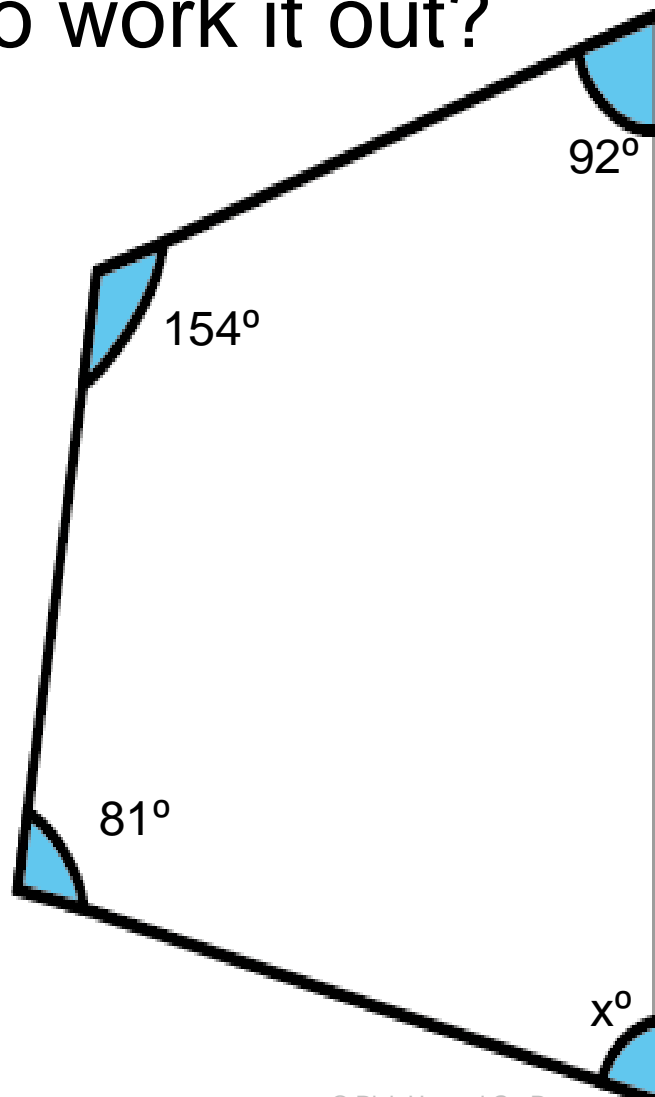
Angles in a quadrilateral add up to  $360^\circ$



$$\begin{array}{r} 55^\circ \\ 121^\circ \\ 73^\circ \\ 111^\circ \\ \hline 360^\circ \end{array}$$

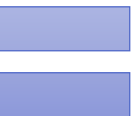
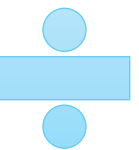
# Angles in a quadrilateral

How to work it out?



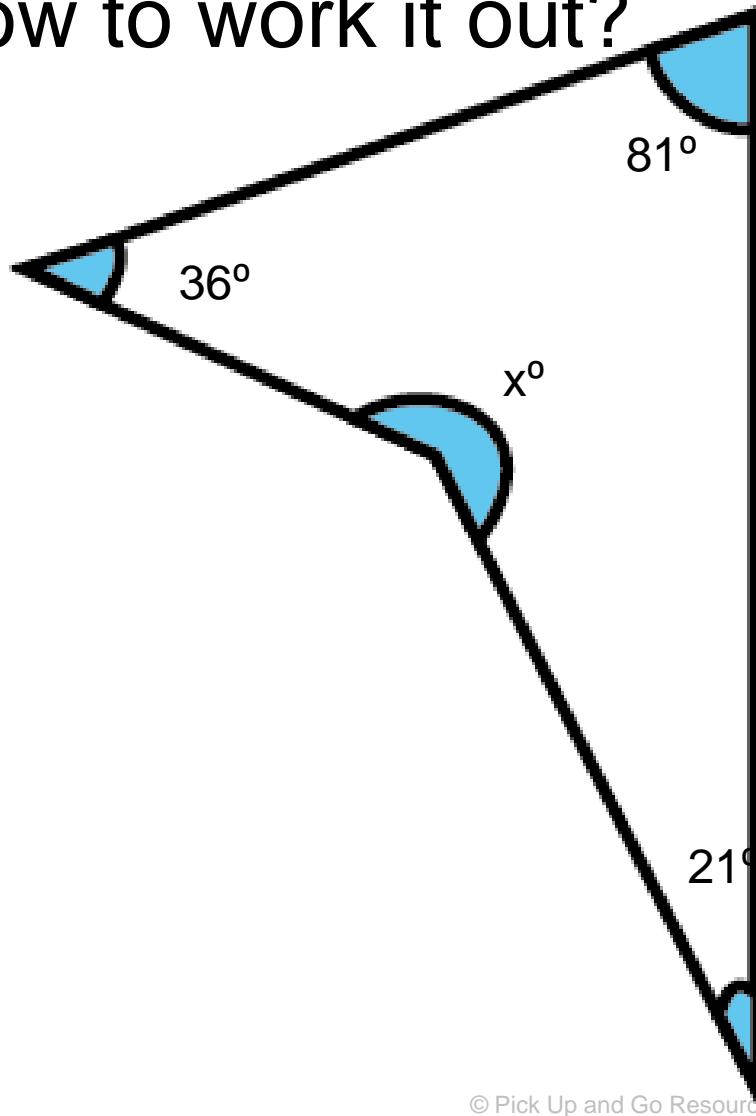
$$\begin{array}{r} 92^\circ \\ 154^\circ \\ + 81^\circ \\ \hline 327^\circ \end{array}$$

$$360 - 327 = 33$$
$$x = 33^\circ$$



# Angles in a quadrilateral

How to work it out?

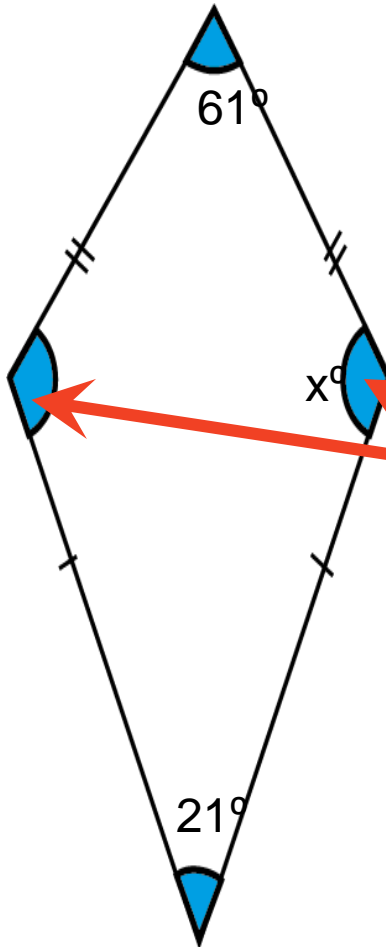


$$\begin{array}{r} 81^\circ \\ 36^\circ \\ + 21^\circ \\ \hline 138^\circ \end{array}$$

$$360 - 138 = 222$$
$$x = 222^\circ$$

# Angles in a special quadrilateral

How to work it out?



These angles are equal

$$\begin{array}{r} 61^\circ \\ + 21^\circ \\ \hline 82^\circ \end{array}$$

$$\begin{array}{r} 360 - 82 = 278 \\ 278 \div 2 = 139 \\ x = 139^\circ \end{array}$$