**1)** Are these properties always (A), sometimes (S) or never true (N) for each quadrilateral? Write the correct letter in the table.

|	Rectangle	Square	Rhombus	Kite	Parallelogram	Trapezium
Four sides						
Four vertices						
Two pairs of parallel sides						
Two pairs of congruent sides						
Opposite angles are equal						
One pair of parallel sides						
Adjacent sides are equal						

2) Measure and label the interior angles of these quadrilaterals. What is the sum of the interior angles? Write this in the box to the right of each shape.
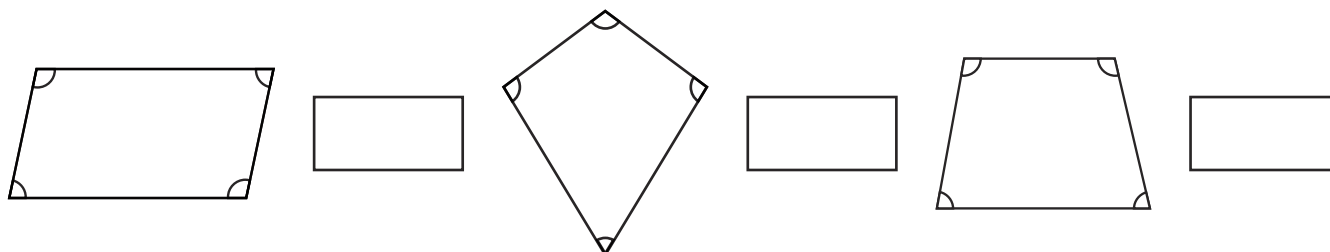
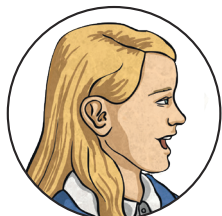What are you able to generalise from your findings about the sum of interior angles of quadrilaterals?

_____

_____

1) Use what you know about the sum of interior angles in quadrilaterals to find the missing angles in these shapes.
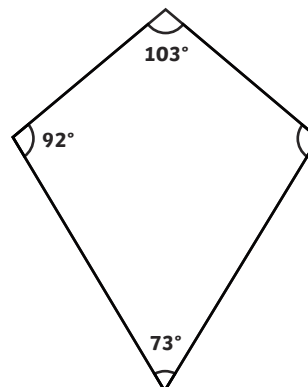
85°

130°

80°

98°

75°   78°
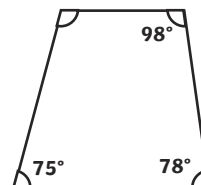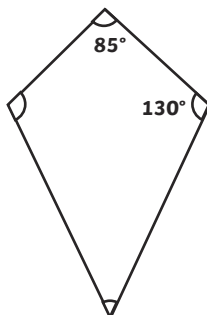
2) Samira and Billy are talking about the missing angle of this 2D shape.

I need to use my protractor to measure this missing angle.
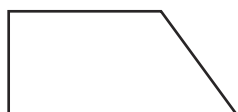
No you don't. You can use the information given.

103°

92°

73°

Who do you agree with and why?

_____

_____

1) Claudette says that the parallelogram with longer sides must have larger angles. How will you explain her mistake?

_____

_____

2) Tina has four trapezium tiles like the one below.

What different quadrilateral shapes can Tina create by tessellating the trapezium tiles? Draw them and label the angles and the lengths of the sides on a separate sheet of paper.