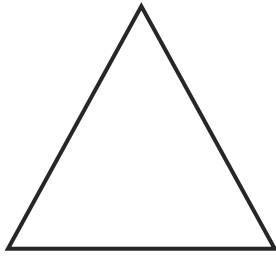
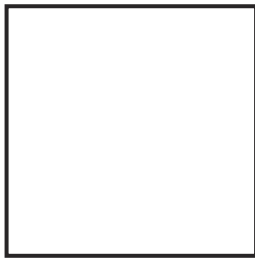


Properties of 2D Shapes

Write down the properties of the shapes.



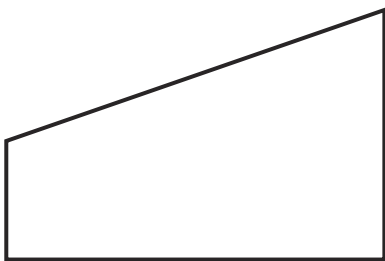
What are the properties of an equilateral triangle?



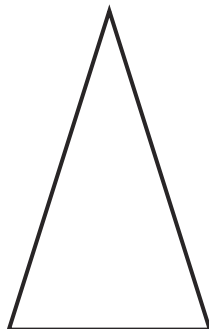
What are the properties of a square?



What are the properties of a rectangle?



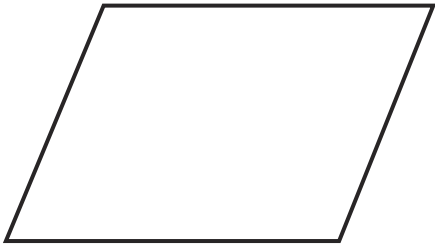
What are the properties of a quadrilateral?



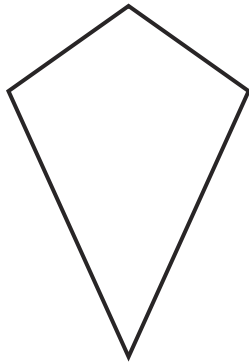
What are the properties of an isosceles triangle?

Properties of 2D Shapes

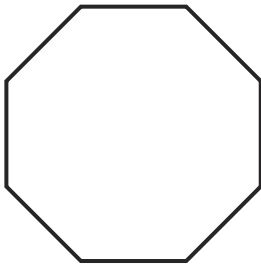
Write down the properties of the shapes.



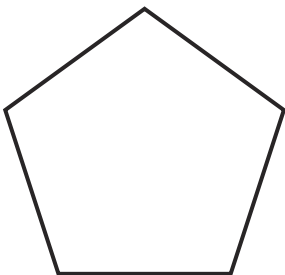
What are the properties of a parallelogram?



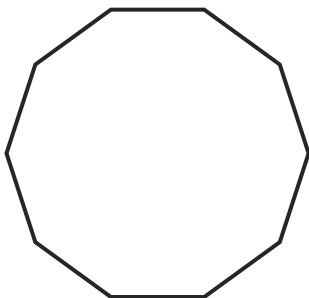
What are the properties of a kite?



What are the properties of a regular octagon?



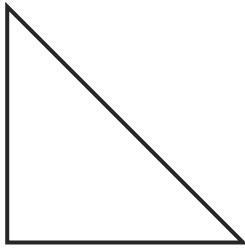
What are the properties of a regular pentagon?



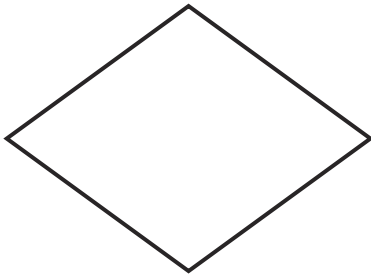
What are the properties of a regular decagon?

Properties of 2D Shapes

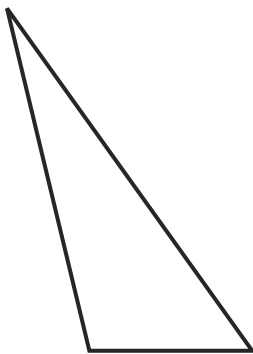
Write down the properties of the shapes.



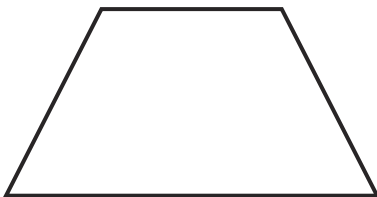
What are the properties of a right-angled triangle?



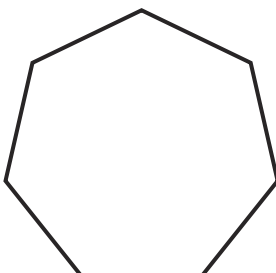
What are the properties of a rhombus?



What are the properties of a scalene triangle?



What are the properties of a trapezium?

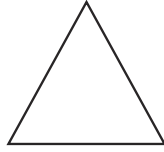


What are the properties of a regular heptagon?

Properties of 2D Shapes - Answers

What are the properties of an equilateral triangle?

- 3 sides of equal length
- 3 corners
- 3 acute angles of equal size
- 3 lines of mirror symmetry
- 3 points of rotational symmetry
- no parallel or perpendicular lines



What are the properties of a rectangle?

- 4 sides – two long (equal size), two short (equal size)
- 4 corners
- 4 right angles
- 2 lines of mirror symmetry
- 2 points of rotational symmetry
- 2 pairs of parallel lines
- 4 sets of perpendicular lines



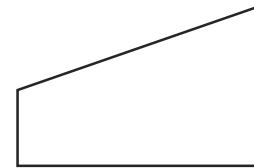
What are the properties of a square?

- 4 sides of equal length
- 4 corners
- 4 right angles
- 4 lines of mirror symmetry
- 4 points of rotational symmetry
- two pairs of parallel lines
- 4 sets of perpendicular lines



What are the properties of a quadrilateral?

- 4 sides
- 4 corners



What are the properties of an isosceles triangle?

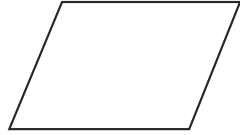
- 3 sides – 1 short and 2 longer of equal length
- 3 corners
- 3 acute angles – 2 larger of equal size and one smaller
- 1 line of mirror symmetry



Properties of 2D Shapes - Answers

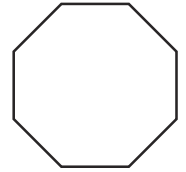
What are the properties of a parallelogram?

- 4 sides – two long (equal size), two short (equal size)
- 4 corners
- 2 acute angled corners
- 2 obtuse angled corners
- no lines of mirror symmetry
- 2 points of rotational symmetry
- 2 pairs of parallel lines
- no perpendicular lines



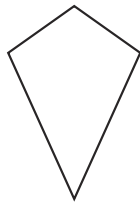
What are the properties of a regular octagon?

- 8 equal sides
- 8 corners
- 8 equal obtuse angles
- 8 lines of mirror symmetry
- 8 points of rotational symmetry
- 4 pairs of parallel lines
- no perpendicular lines



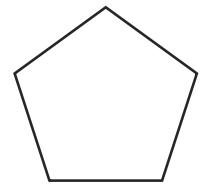
What are the properties of a kite?

- 4 sides – two long (equal size), two short (equal size)
- 4 corners
- 2 equal angles at the sides where the long and short sides meet
- 1 line of mirror symmetry
- 1 point of rotational symmetry
- no parallel or perpendicular lines



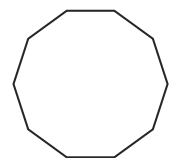
What are the properties of a regular pentagon?

- 5 equal sides
- 5 corners
- 5 equal obtuse angles
- 5 lines of mirror symmetry
- 5 points of rotational symmetry
- no parallel or perpendicular lines



What are the properties of a regular decagon?

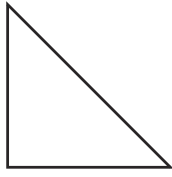
- 10 equal sides
- 10 corners
- 10 equal obtuse angles
- 10 lines of mirror symmetry
- 10 points of rotational symmetry
- 5 pairs of parallel lines
- no perpendicular lines



Properties of 2D Shapes - Answers

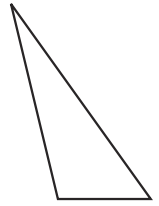
What are the properties of a right-angled triangle?

- 3 sides
- 3 corners
- 1 right angle, 2 acute angles
- 1 line of mirror symmetry if horizontal and vertical lines are equal length
- 1 point of rotational symmetry
- no parallel lines
- 1 set of perpendicular lines



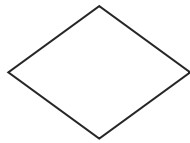
What are the properties of a scalene triangle?

- 3 sides all different lengths
- 3 corners
- all angles different sizes
- no lines of mirror symmetry
- 1 point of rotational symmetry
- no parallel lines or perpendicular lines



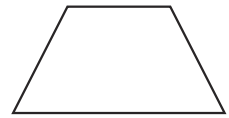
What are the properties of a rhombus?

- 4 sides of equal length
- 4 corners
- 2 acute angled corners
- 2 obtuse angled corners
- 2 lines of mirror symmetry
- 2 points of rotational symmetry
- 2 pairs of parallel lines
- no perpendicular lines



What are the properties of a trapezium?

- 4 sides
- 4 corners
- 2 acute angled corners
- 2 obtuse angled corners
- 1 line of mirror symmetry if pairs of angles at the top and bottom are equal
- 1 point of rotational symmetry
- 1 pair of parallel lines
- no perpendicular lines



What are the properties of a regular heptagon?

- 7 equal sides
- 7 corners
- 7 equal obtuse angles
- 7 lines of mirror symmetry
- 7 points of rotational symmetry
- no parallel or perpendicular lines

