

Geometry Mat - Working towards Year 4

Shapes

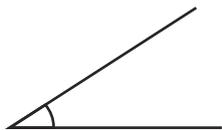
Compare and classify quadrilaterals and triangles, based on their properties and sizes.

Know the properties of different triangles: equilateral and right-angled; and quadrilaterals: square, rectangle, parallelogram, rhombus.

Angles

Identify acute and obtuse angles and compare and order angles up to one right angle by size.

An acute angle is less than a right angle.



Order these angles.



Lines

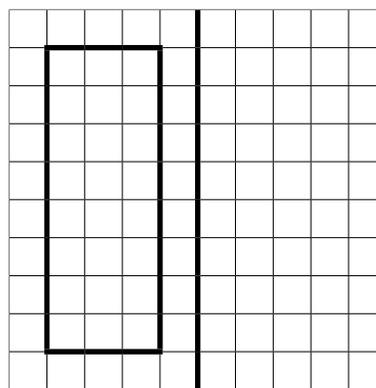
Identify lines of symmetry in 2D shapes about a vertical line of symmetry.

Draw lines of symmetry in these shapes:



Complete a simple symmetric figure with respect to a specific line of symmetry.

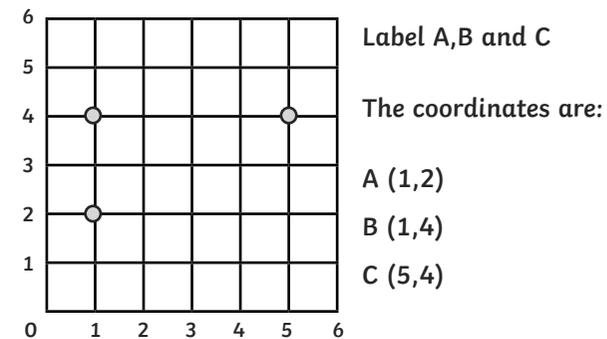
Complete a symmetrical figure.



Coordinates

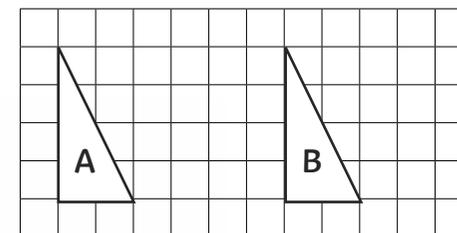
Describe positions on a 2D grid as coordinates in the first quadrant.

Plot specified points and draw sides to complete a given polygon.



What are the coordinates of the point that will complete a rectangle?

Describe simple movements between positions as translations of a given unit to the left/right and up/down.



Geometry Mat - Expected Year 4

Shapes

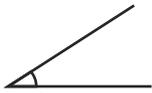
Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.

Know the properties of different triangles: equilateral, isosceles, scalene and right-angled; and quadrilaterals: square, rectangle, parallelogram, rhombus, trapezium and kite.

Angles

Identify acute and obtuse angles and compare and order angles up to two right angles by size.

An acute angle is less than a right angle.



An obtuse angle is greater than a right angle and less than a straight line.



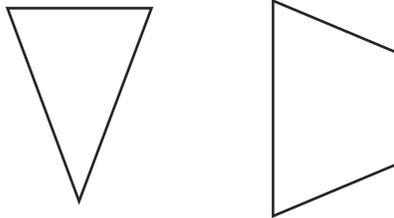
Order these angles.



Lines

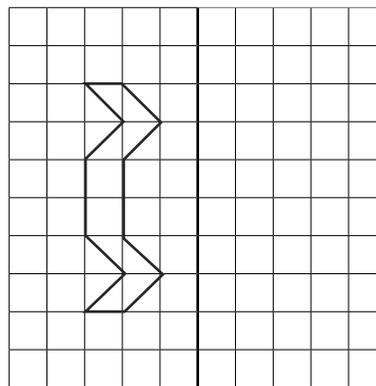
Identify lines of symmetry in 2D shapes presented in different orientations.

Draw lines of symmetry in these shapes:



Complete a simple symmetric figure with respect to a specific line of symmetry.

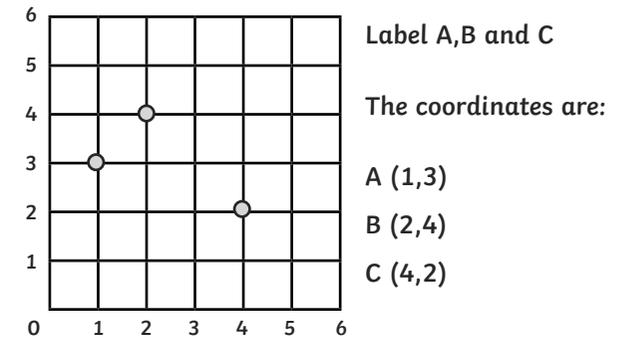
Complete a symmetrical figure.



Coordinates

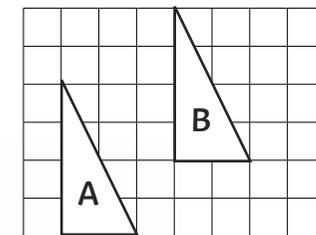
Describe positions on a 2D grid as coordinates in the first quadrant.

Plot specified points and draw sides to complete a given polygon.



What are the coordinates of the point that will complete a rectangle?

Describe movements between positions as translations of a given unit to the left/right and up/down.



Geometry Mat - Greater Depth Year 4

Shapes

Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.

Know the properties of different triangles: equilateral, isosceles, scalene and right-angled; and quadrilaterals: square, rectangle, parallelogram, rhombus, trapezium and kite.

Classify and sort these and other polygons using Venn and Carroll diagrams.

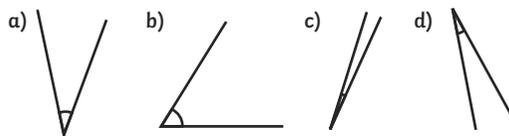
Angles

Identify acute and obtuse angles and compare and order angles up to two right angles by size.

Label these angles acute or obtuse.



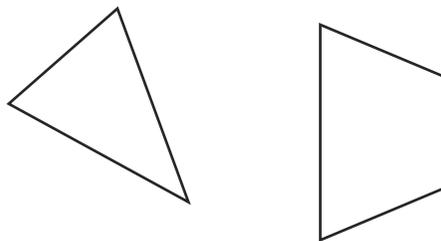
Order these angles and draw a fifth angle (e) to include in the order.



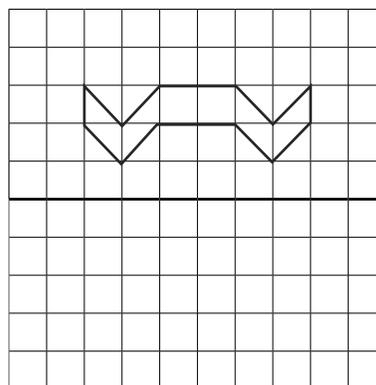
Lines

Identify lines of symmetry in 2D shapes presented in different orientations.

Draw lines of symmetry in these shapes:



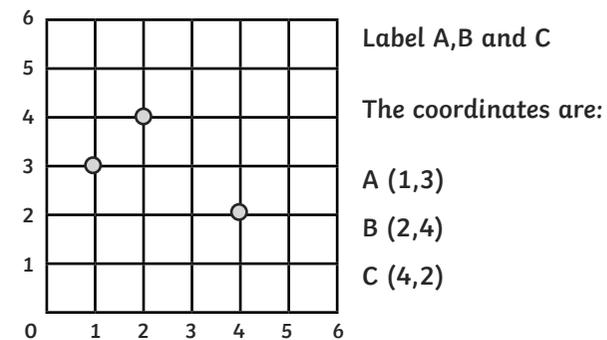
Complete a simple symmetric figure with respect to a specific line of symmetry.



Coordinates

Describe positions on a 2D grid as coordinates in the first quadrant.

Plot specified points and draw sides to complete a given polygon.



What are the coordinates of the point that will complete a rectangle?

Describe movements between positions as translations of a given unit to the left/right and up/down.

