# Période 1

1 Draw a straight line Draw a vertical straight line. Draw two vertical straight lines.

**2** Draw a horizontal straight line. Draw a vertical straight line. Draw a horizontal straight line and a vertical straight line that cross.

**3** Draw a straight horizontal line and place a dot at the top. Draw a horizontal straight line and place a dot at the bottom. Draw a horizontal straight line at the top and a vertical straight line at the bottom.

**4** Draw a straight horizontal line and place a point on the line. Draw a vertical straight line and place a point on the line. Draw a vertical line and a horizontal line that intersect. Place a point at the intersection. Draw a vertical straight line and place a point next to it.

5 Draw an open curved line.

Draw a closed curved line.

Draw a closed curved line and place a point inside it.

**6** Draw a closed curved line and place a point outside it. Draw a closed curved line and place a point on this line. Draw a vertical straight line and a point **at** the right of this line.

**7** Draw an open curved line and draw a closed curved line above it. Draw an open curved line and draw a closed curved line below it.

**8** Draw a vertical straight line and a point **at** the left of this line. Draw a broken line.

Draw a closed broken line.

Draw a closed broken line and place a point inside it.

9 Draw a closed broken line and two points inside it.Draw a closed broken line and two points outside it.Draw a closed broken line, place two points inside it and three points outside it.

**10** Draw a closed broken line and a point above it. Draw a closed broken line and a point below it. Draw a closed broken line and a point on the left.

11 Draw a closed broken line and place a point on the left.Draw a closed broken line and place a point on the right.Place a point, draw a vertical line on the left and a horizontal line on the right of that point.

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# Période 2

**12** Draw a three-sided shape. Draw a three-sided shape and a larger three-sided shape. Draw a three-sided shape and a smaller three-sided shape.

**13** Draw a three-sided shape and a larger three-sided shape on the right. Draw a three-sided shape and a smaller three-sided shape on the left. Draw a three-sided shape inside another three-sided shape.

14 Draw a four-sided shape.

Draw a four-sided shape and a larger four-sided shape. Draw a four-sided shape and a smaller four-sided shape. Draw a six-sided shape.

**15** Draw a four-sided shape and a larger four-sided shape on the right. Draw a four-sided shape and a smaller four-sided shape on the left. Draw a four-sided shape inside another four-sided shape. Draw a four-sided shape an**d** a circle inside it.

16 Draw a five-sided shape.

Draw a five-sided shape and a larger five-sided shape. Draw a five-sided shape and a smaller five-sided shape.

**17** Draw a circle.

Draw a small circle on the left and a larger circle on the right. Draw a small circle inside another circle. Draw a circle and a square inside the circle. Draw a circle and a square outside the circle.

**18** Draw a triangle.

Draw a triangle and a circle inside it. Draw a triangle, a circle on the left and a circle on the right. Draw a circle and a triangle inside it.

**19** Draw a triangle between two vertical lines. Draw a circle between two horizontal lines. Draw a circle and place a point at the center of this circle. Draw a square between two circles.

**20** Draw a square and a circle inside the square. Draw a square with sides measuring four squares. Draw a square with sides measuring six squares. Draw a triangle with sides measuring three squares.

21 Draw a rectangle.

Draw a rectangle. The long sides are six squares and the short sides are three squares. Draw a rectangle. The short sides are two squares and the long sides are ten squares. Draw a triangle between two rectangles. Draw a circle between two squares.

22 Place a point and draw a line starting from that point.Place a point and draw a broken line starting from that point.Place a point and draw a curved line starting from that point.Place a point, draw a line starting from that point and draw a circle on this line.Place a point, draw a line starting from that point and draw a triangle on this line.

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### Période 3

**23** Place three points A, B and C and connect them to form a triangle. Draw a triangle with vertices named D, E and F. Draw a square with vertices named G, H, I and J.

**24** Draw a line segment AB then draw a triangle ABC starting from that line segment. Draw a line segment AB measuring four squares then draw a square ABCD starting from that line segment.

**25** Draw a line segment FG then draw a circle passing through F. Draw a square ABCD then draw a circle passing through one of its vertices.

**26** Draw a square EFGH then draw a circle passing through two of its vertices. Draw a circle then draw a triangle with its three vertices touching the circle.

**27** Draw a rectangle EFGH then draw a circle passing through two of its vertices. Draw a circle then draw a rectangle with its four vertices touching the circle.

28 Draw a right angle.

Draw two line segments AB and AC that form a right angle. **29** Draw two lines that intersect forming four right angles. Draw two lines that intersect forming a right angle.

**30** Draw a vertical line segment AB. Place point C at the midpoint of AB. Draw a line segment DE passing through point C that intersects AB at a right angle. Draw a horizontal line segment AB. Place point C at the midpoint of AB. Draw a line segment DE

passing through point C that intersects AB at a right angle.

**31** Draw a shape with only one right angle. Draw a shape with two right angles.

**32** Draw a triangle with a right angle. Draw a square ABCD. Draw a line segment AC. What can you say about it ?

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## Période 4

**33** Draw a four-sided shape. Draw a five-sided shape. Draw a six-sided shape.

**34** Draw a five-sided polygon ABCDE with a right angle at point E. Draw a five-sided polygon ABCDE with two right angles at A and E. Draw a six-sided polygon with three consecutive right angles.

**35** Draw square ABCD and square ABEF. Name the shape DCEF ? Draw a quadrilateral with only two sides of equal length. Draw a quadrilateral with two sides of equal length and one right angle.

**36** Draw line segments AB and CD that intersect and have the same length. Join the endpoint of **these** line segments.

Draw line segments AB and CD of equal length that intersect at their midpoints. Join the endpoints of these line segments and name the shape ACDB.

**37** Draw line segments AB and CD that are the same length, intersect at their middle point and make a right angle. Connect their endpoints and name the shape ACDB.

Draw line segments AB and CD with different lengths. They intersect at their middle point and make a right angle. Connect their endpoints and name the shape ACDB.

**38** Draw a vertical straight line. This line will be your line of symmetry. Draw a square ABCD **at** the left of this line. Then draw its reflection on the other side.

Draw a vertical straight line. This line will be your line of symmetry. Draw a rectangle ABCD **at** the left of this line. Then draw its reflection on the other side.

**39** Draw a horizontal straight line. This line will be your line of symmetry. Draw a square ABCD above this line. Then draw its reflection.

Draw a horizontal straight line. This line will be your line of symmetry. Draw a rectangle ABCD below this line. Then draw its reflection.

**40** Draw a vertical straight line. This line will be your line of symmetry. Draw a triangle ABC **at** the left of this line. Then draw its reflection on the other side.

Draw a vertical straight line. This line will be your line of symmetry. Draw a right triangle ABC **at** the left of this line. Then draw its reflection on the other side.

**41** Draw a rectangle ABCD. Find the middle of each long side and name them E and F. Draw a line connecting points E and F. What can you say about this line ? Draw a square that is four squares long on each side. Then draw its lines of symmetry.

**42** Draw a rectangle DEFG with DE twice as long as EF Using the previous figure, DE is the line of symmetry. Draw the reflected rectangle. What can you say about the resulting figure ?

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## Période 5

**43** Draw a large circle. Draw two squares inside it, the two squares must touch at one corner. Draw a curved line inside each square.

**44** Draw line segments AC and BD of the same length. They cross at their midpoint and form a right angle.

Draw a circle through points ABCD. Then draw the lines AB, BC, CD and DA.

**45** Draw a rectangle ABCD. Draw a triangle ABE. Draw a square CDFG. Draw a right triangle CGH with a right angle at point G. Draw a right triangle DFI with a right angle at point F.

46 Draw a rectangle ABCD with length of eight squares and a width of four squares.
Draw a right triangle BCF with a right angle at point B.
Draw a right triangle ADE with a right angle at point A.
Draw point G, the midpoint of line segment AB.
Draw line segment GH with a length of six squares. Line segments GH and AB form a right angle.
Draw point J, the midpoint of line segment GH.
Draw a right triangle HJI with a right angle at point J.

**47** Draw a vertical line segment AB that is 8 squares long. Draw a small circle passing through point A. Mark the midpoint of line segment AB. Draw triangle JIK, with JK being vertical and measuring 8 squares. Draw the symmetrical image of JIK with respect to axis AB.

Draw a small circle inside each triangle.

**48** Draw a vertical line segment AB that is 9 squares long.

Draw a small circle passing through point A.

Draw two closed broken lines passing through point B.

Draw a closed curved line outside the circle.