

Polygons

1a. Andrew has made a shape with sticks. What shape could he have made?

3 of the sticks are 6 cm and 2 of the sticks are 8 cm. Two angles are obtuse and three are acute.



PS

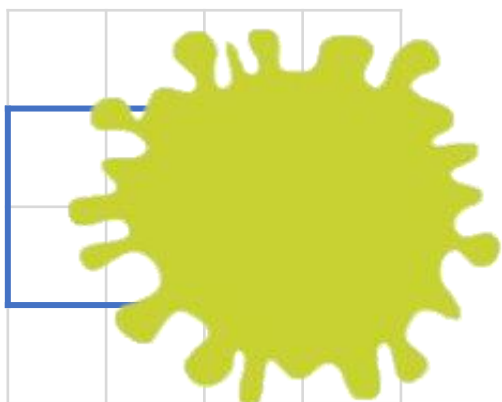
1b. Simone has made a shape with sticks. What shape could she have made?

The perimeter of my shape is 20 cm. All the angles are right-angles.



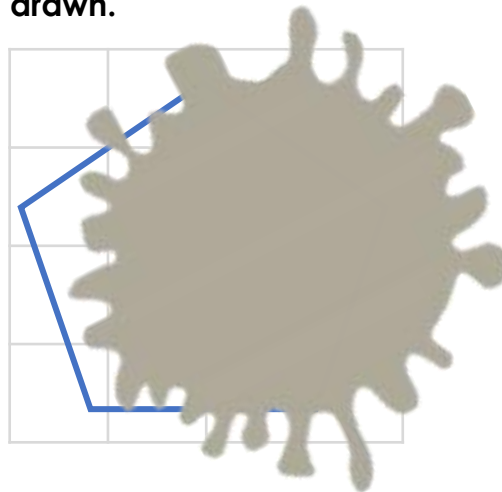
PS

2a. Some paint has been spilt on Henry's drawing. Name two shapes that he could have drawn.



PS

2b. Some paint has been spilt on Kate's drawing. Name two shapes that she could have drawn.



PS

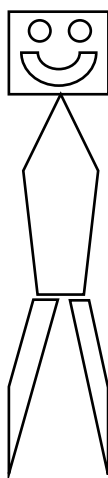
3a. Jackson has followed the instructions to draw a robot. Has he done it correctly? Explain how you know.

1. Draw a head containing 4 right angles.

2. Draw an irregular pentagon for the body.

3. Add quadrilaterals with no right angle for legs.

4. Add eyes and a smile.



R

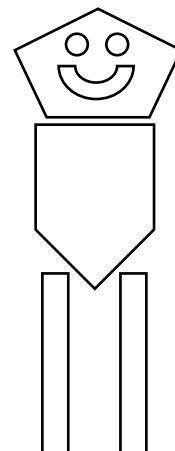
3b. Isabelle has followed the instruction to draw a robot. Has she done it correctly? Explain how you know.

1. Draw a regular polygon for the head.

2. Draw a body containing 3 right angles.

3. Add regular quadrilaterals for legs.

4. Add eyes and a smile.



R

Polygons

1a. irregular pentagon

1b. rectangle or square

2a. Various answers, for example: rectangle or square

2b. Various answers, for example: pentagon or quadrilateral

3a. Jackson is correct because he has used a quadrilateral for the head that includes 4 right angles, he has used an irregular pentagon for the body and two quadrilaterals with no right angles for the legs.

3b. Isabelle is incorrect because she has not drawn a regular polygon for the head. The body does not contain 3 right angles. The legs are not regular quadrilaterals.