

1

Build a square and a triangle

Pairs take straws in three lengths and clay and build a square, then a triangle, naming each one as it is finished and checking that every corner is joined.

"Which one have you made? How do you know it is that one?"

"Is every corner joined? Push each one and see."

2

Make it out of clay

Pairs roll a cylinder and shape a cube from clay with a block beside them to copy, then make a cone with the blocks put away and say how they know it is not a cylinder.

"Name the one you have just made."

"How is your cone different from the cylinder you made before?"

3

Press, name and count

Groups take a cube, a rectangular prism and a cylinder and the shape cards, press each face onto a card to name it, then count the faces, the edges and the corners and record the three numbers for each object.

"Name the shape of that face. Does the next face match the same card?"

"How are you making sure you do not count the same edge twice?"

4

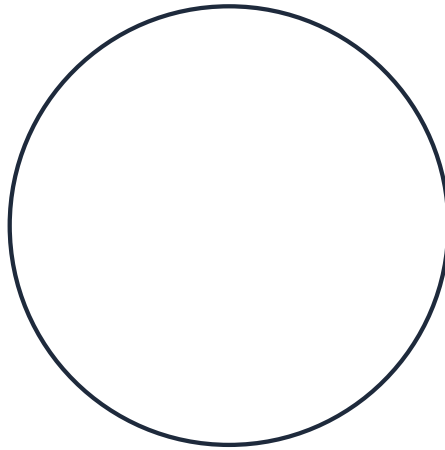
Build to a rule

Give each pair a rule to build to, four sides that are not all the same length, or three sides where two are the same and one is different, and ask them to show how their shape fits the rule.

"Build one that fits the rule. Now show me how it fits."

"Hold the two sides that are the same together. Do they match?"

Print one set for each group and cut along the dashed lines. The shape cards are for the third activity and the rule cards after them are for the fourth.



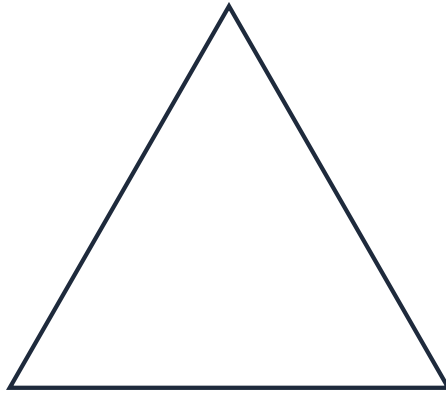
circle



square



rectangle



triangle

One rule card to a pair. Every shape has to be closed before it counts.

Build a shape with four sides, all the same length

Build a shape with four sides that are not all the same length

Build a shape with three sides, all the same length

Build a shape with three sides, with two the same and one different

Build a shape with four sides, with two long and two short

Build a shape with no straight sides at all