

Shape - answers

Step 1

4. Cuboids → 4, triangular-based pyramids → 3, cylinders → 2
5. 1. square-based pyramid; 2. cylinder; 3. cuboid; 4. cube
6. Jade is incorrect because she has labelled her groups incorrectly. The labels need to be swapped over.

Step 2

4. A, B, E, I
5. A. 2, B. 1, C. 3
6. Jess is correct because she has shapes with curved faces and Max has shapes with flat faces only.

Step 3

4. A – 2, B – 1, C – 3
5. Square – C and F, Circle – A and E, Rectangle – B and D
6. Lara is correct. She has a cuboid that has rectangular and square surfaces.

Step 4

4. rectangles, circles
5. A – 2, B – 1, C – 3
6. A – rectangles, B – triangles, C – circles, D – squares

Step 5

4. circle, square, triangle
5. B
6. A – 3, B – 2, C – 1

Problem solving and reasoning

1. No. There is a square in the wrong group.
2. There is a pyramid with the cones.
3. Rana: 5, Dan: 6. Dan won the game.
4. Atifa is correct because the triangles are a different way round.
5. Cuboid ticked.
6. 1st place: triangle.
Various answers, for example: It looks like the 2 sides will meet to make a shape with 3 sides.
2nd place: square and/or rectangle
Various answers, for example: It cannot have 3 sides so is not a triangle. It could have 4 sides the same length or it could have 2 longer sides.
3rd place: circle
Various answers, for example: It has a curved edge.