

## 1. Draw Accurately

### Yellow chilli answers

4. B
5. A – 1cm 8mm; B – a line longer than 1cm 8mm and shorter than 7cm 4mm;  
C – 7cm 4mm; D – a line longer than 7cm 4mm and shorter than 9cm 2mm;  
E – 9cm 2mm
6. Jack is incorrect because one of his lines is 2cm 8mm.

### Red chilli answers

7. B
8. A – 2cm 5mm; B – a line longer than 2cm 5mm and shorter than 4cm 4mm;  
C – 4cm 3mm; D – a line longer than 4cm 3mm and shorter than 5cm 3mm;  
E – 5cm 3mm
9. Gemma is incorrect because one pair of lines has a total length of 5cm 9mm.

## 2. Recognise and Describe 2D Shapes

### Yellow chilli answers

4. i. False, Shape A has 8 sides of equal length; ii. True; iii. False, Shape C has 2 pairs of parallel lines, 2 acute angles and 2 obtuse angles
5. 1B, 2C, 3A
6. Various possible answers, for example: Shape 2 is the odd one out because it only has one line of symmetry.

### Red chilli answers

7. i. False, Shape A has 5 straight lines of different lengths, 3 right angles and 0 lines of symmetry; ii. False, Shape B is a regular shape, has 12 straight sides and 12 obtuse angles; iii. False, Shape C has 6 straight sides and 5 right angles
8. 1B, 2C, 3A
9. Various possible answers, for example: Shape 3 is the odd one out because it is the only shape that does not have 6 sides.

## 3. Recognise and Describe 3D Shapes

## Yellow chilli answers

4. 1C; 2A; 3B

5.

	Number of faces/surfaces	Number of edges	Number of vertices
triangular-based pyramid	4	6	4
square-based pyramid	5	8	5
cylinder	3	2	0

6. Jane is correct but the shape could also be a cube. A cube also has 6 faces, 12 edges and 8 vertices.

## Red chilli answers

7. 1B; 2C; 3A

8.

	Number of faces/surfaces	Number of edges	Number of vertices
pentagonal prism	7	15	10
hexagonal prism	8	18	12
octahedron	8	12	6

9. Andy is incorrect as a square-based pyramid has 5 faces, 5 vertices and 8 edges. The shape Georgia is thinking of is a triangular-based pyramid.