Y5/6 Revision, Unit 6 (56088)

Additional teacher instructions for practice sheets
These notes indicate which practice sheets are most appropriate for which groups.

Day 1 Y5 Finding areas and perimeters Sheet 1
Working towards ARE / Working at ARE / Greater Depth

Day 1 Y6 Finding areas and perimeters Sheet 2
Working towards ARE / Working at ARE / Greater Depth
Remind children Working towards ARE that they can split the rectilinear shapes into rectangles, find the area of each, then add to find the total area.
Greater Depth complete the Challenge.

Day 2 Y5 Triangle angles Sheet 1
Working towards ARE / Working at ARE / Greater Depth
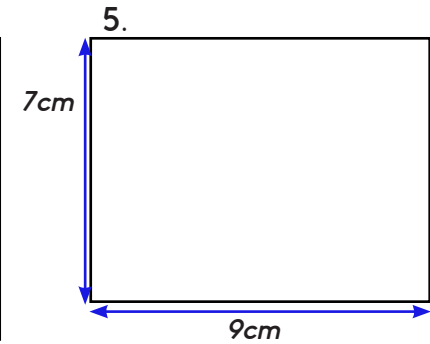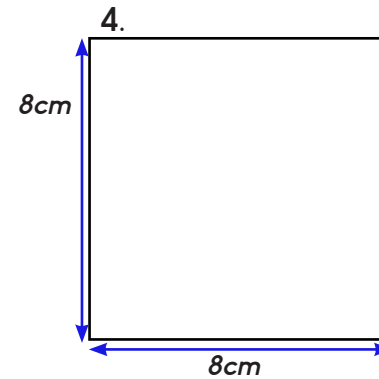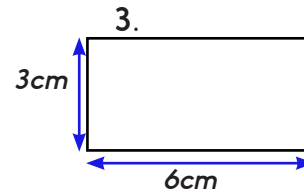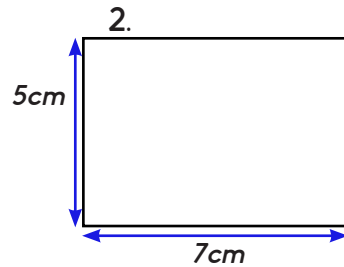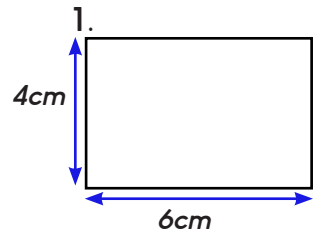
Day 2 Y6 Missing angles Sheet 2
Working towards ARE

Day 2 Y6 Missing angles Sheet 3
Working at ARE / Greater Depth

Finding areas and perimeters
Sheet 1

Calculate the area and perimeter of each shape.

1.
4cm
6cm

2.
5cm
7cm

3.
3cm
6cm

4.
8cm
8cm

5.
7cm
9cm

Split these shapes into two rectangles in order to help calculate the area and perimeter.

6.
6cm
4cm
3cm
2cm

7.
3cm
5cm
7cm
5cm

8.
3cm
3cm
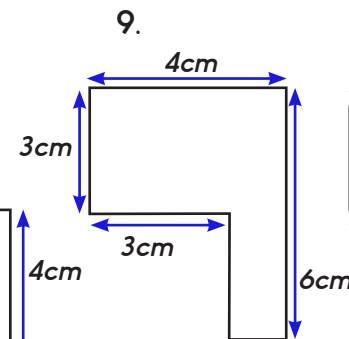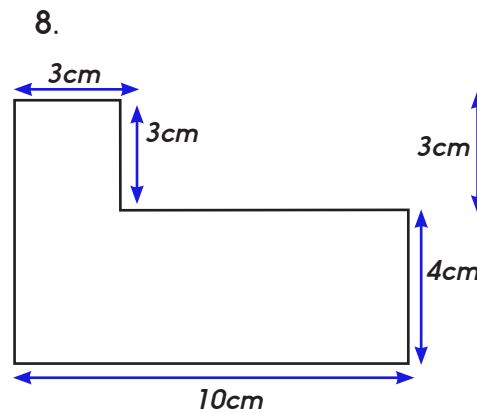4cm
10cm

9.
4cm
3cm
3cm
6cm

10.
12cm
3cm
5cm
4cm
2cm
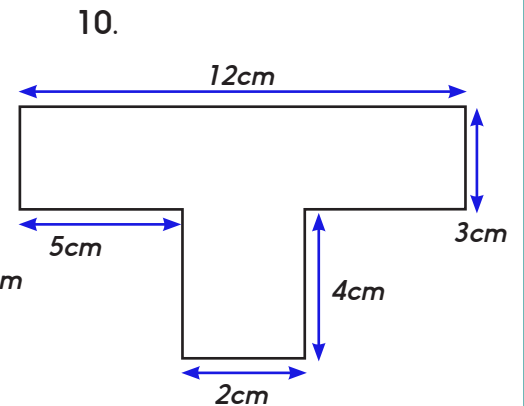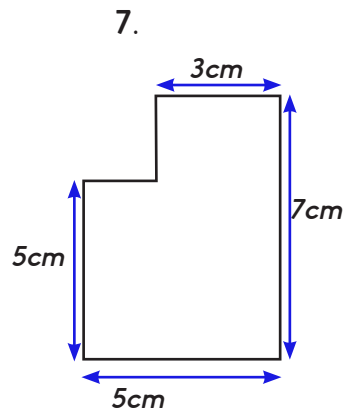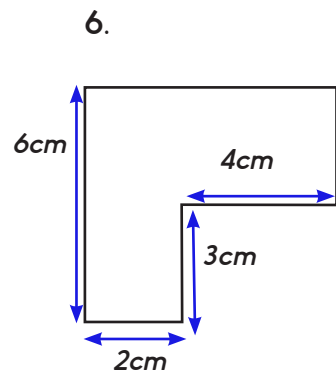
Finding areas and perimeters
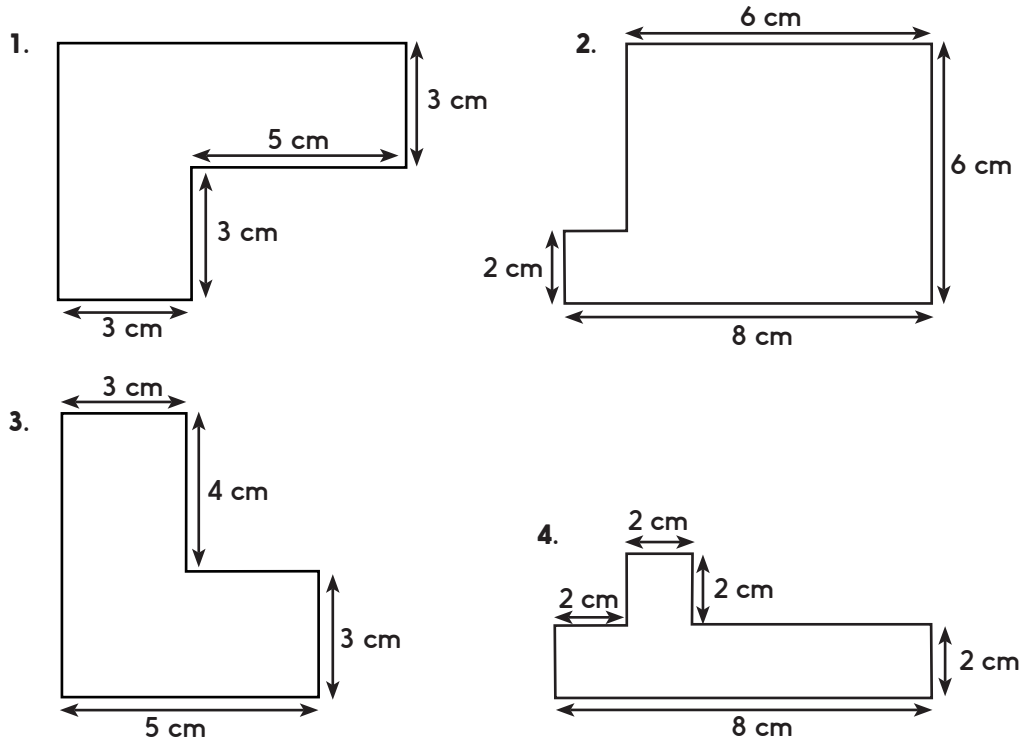## Sheet 2

Calculate the area and perimeter of each rectilinear shape.

1.

3 cm

5 cm

3 cm

3 cm

2.

6 cm

6 cm

2 cm

8 cm

3.

3 cm

4 cm

3 cm

5 cm

4.

2 cm

2 cm

2 cm

2 cm

8 cm

Calculate the area of the shaded triangles.

5.

4 cm

3 cm

6.

4 cm

6 cm

Challenge

a)

4 cm

5 cm
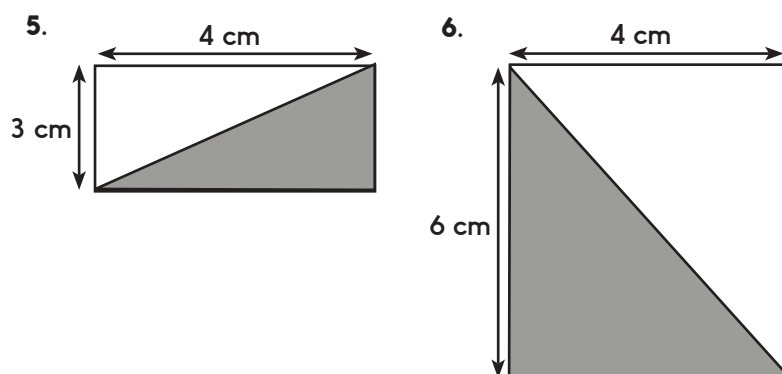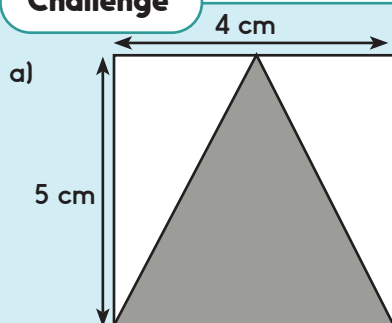
b) The area of this triangle is 17.5m². What are the dimensions of the rectangle that encloses it?
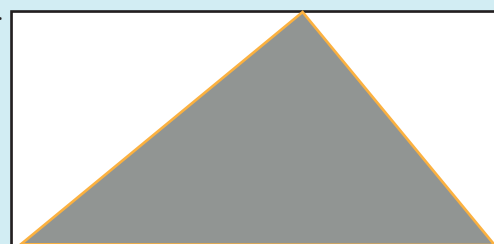
Triangle angles
Sheet 1

The angles inside a triangle add up to 180º.
Use this very useful fact to calculate the missing angles in these triangles.

1.
15º
75º

2.
45º   60º

3.
45º   45º

4.
75º   75º

5.
54º
63º

6.
24º   70º

7.
80º
32º

8.
60º
30º

9.
62º   62º

10.
75º
30º
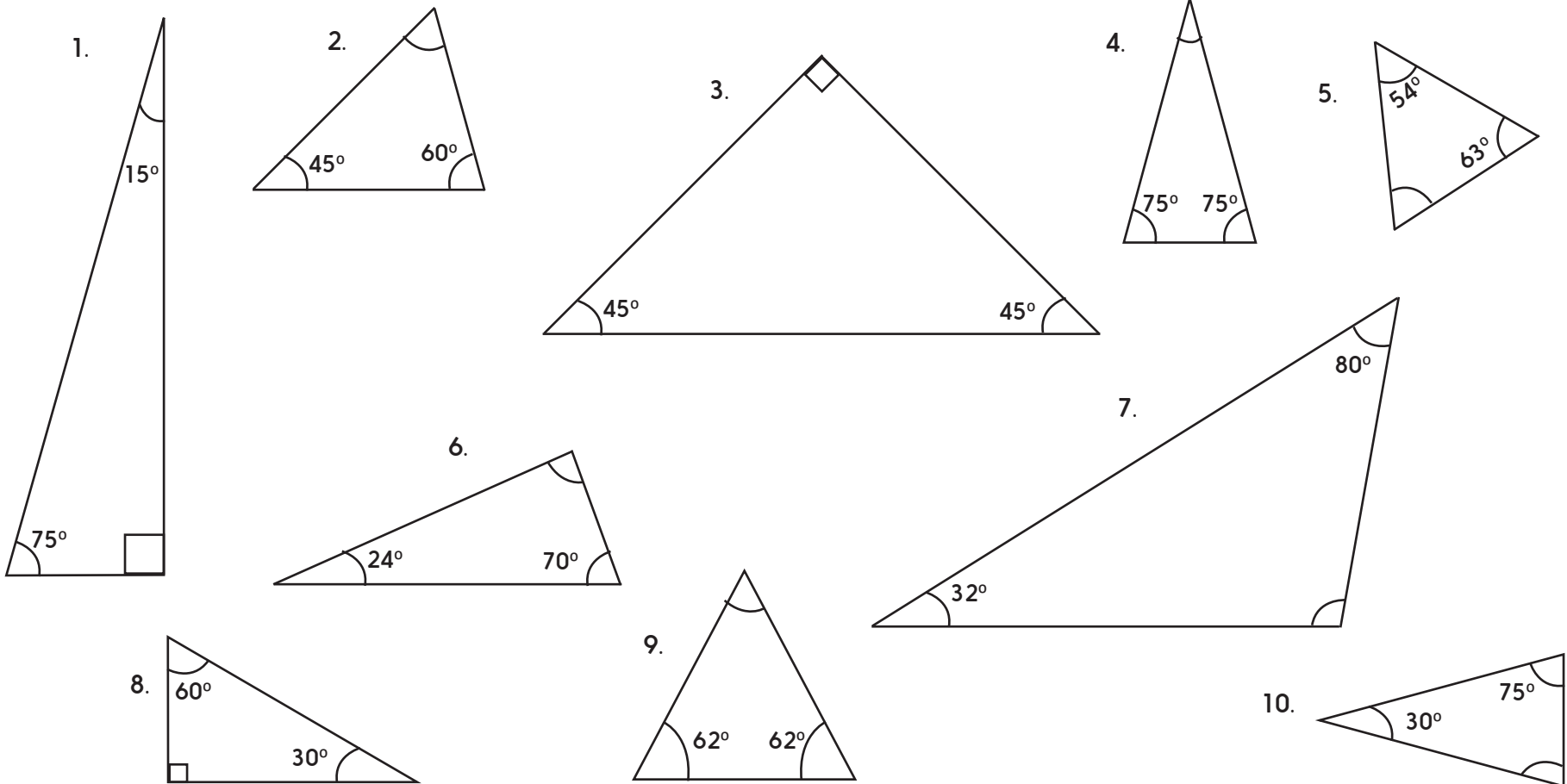
Missing angles
Sheet 2

Measure the starred angles, then use your knowledge of facts about angles to find all the other missing angles.
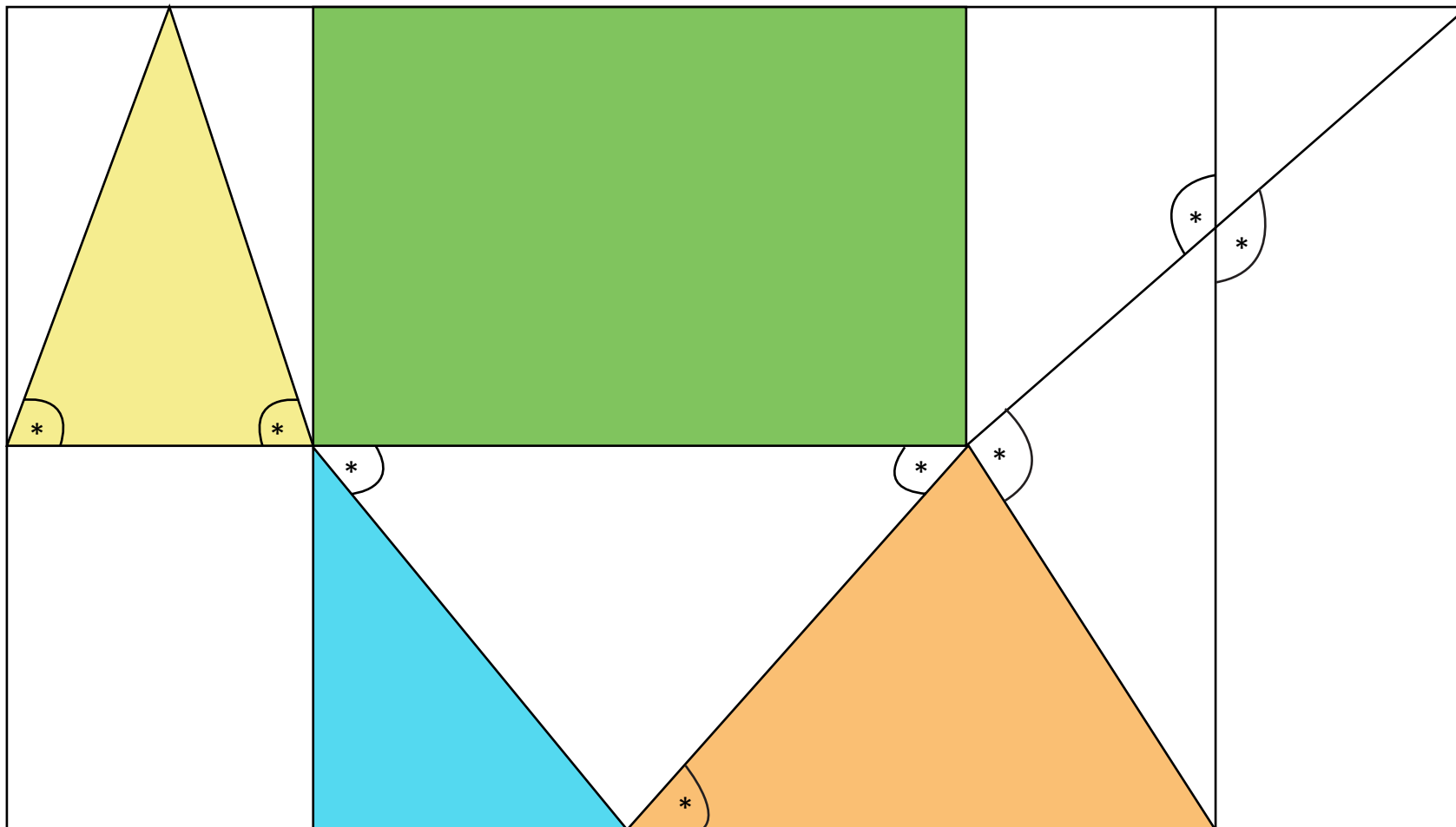
Afterwards use a protractor to check your answers.

Missing angles
Sheet 3

Measure the starred angles, then use your knowledge of facts about angles to find all the other missing angles.

Afterwards use a protractor to check your answers.

Revision
Answers

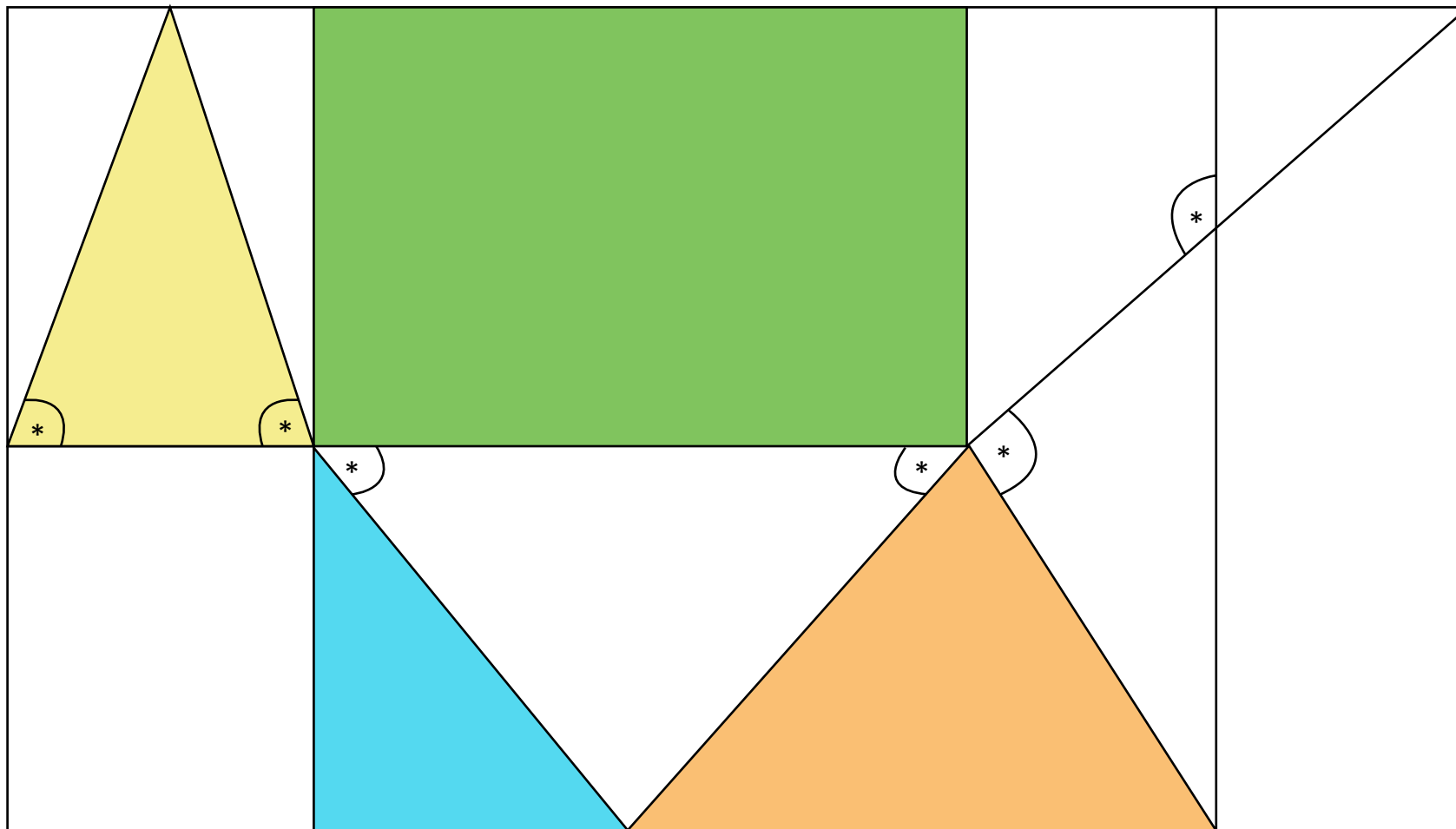**Day 1 Y5 Finding areas and perimeters Sheet 1**

1.	Perimeter = 20cm	Area = 24cm^2
2.	Perimeter = 24cm	Area = 35cm^2
3.	Perimeter = 18cm	Area = 18cm^2
4.	Perimeter = 32cm	Area = 64cm^2
5.	Perimeter = 32cm	Area = 63cm^2

6. Perimeter = 24cm   Area = 24cm^2 (splits into two rectangles of 12cm^2 and 12cm^2)
7. Perimeter = 24cm   Area = 31cm^2 (splits into two rectangles of 10cm^2 and 21cm^2)
8. Perimeter = 34cm   Area = 49cm^2 (splits into two rectangles of 21cm^2 and 28cm^2)
9. Perimeter = 20cm   Area = 15cm^2 (splits into two rectangles of 3cm^2 and 12cm^2)
10. Perimeter = 40cm   Area = 44cm^2 (splits into two rectangles of 36cm^2 and 8cm^2)

Day 1 Y6 Finding areas and perimeters Sheet 2

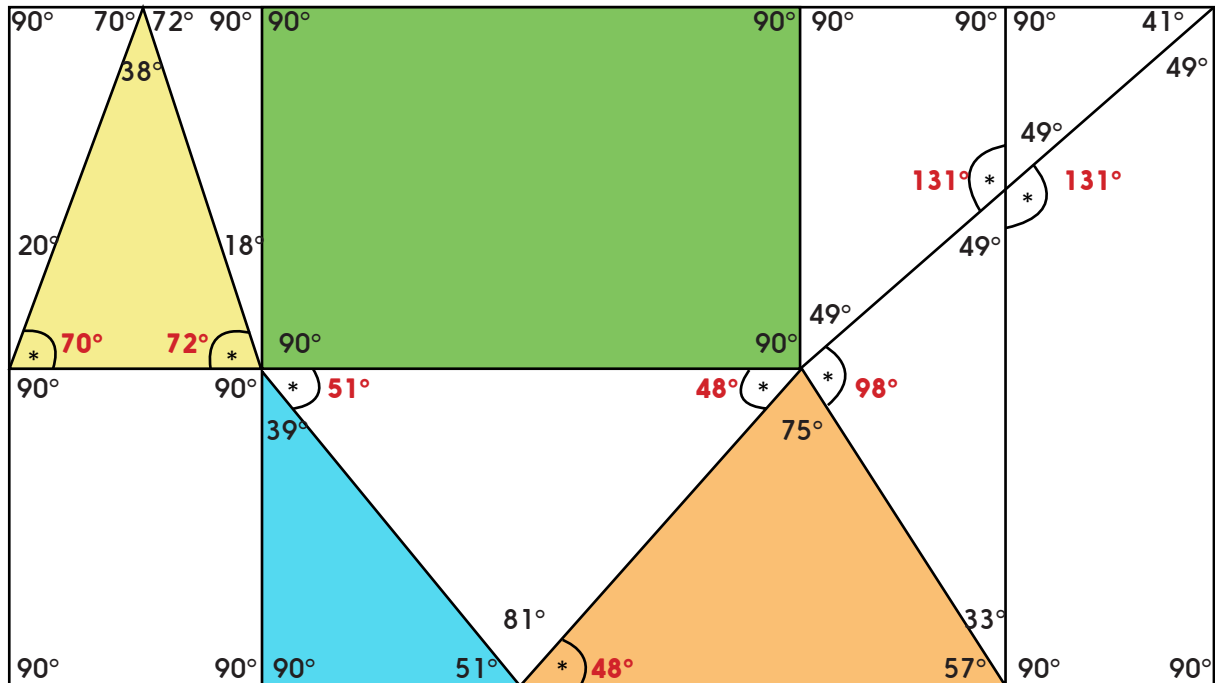|		
1.	Perimeter = 28cm	Area = 33cm^2
2.	Perimeter = 28cm	Area = 40cm^2
3.	Perimeter = 24cm	Area = 27cm^2
4.	Perimeter = 24cm	Area = 20cm^2

5.   6cm^2
6.   12cm^2

Challenge

a.)   10 cm^2

b.)   Two measurements that multiply together to give 35m^2 (double the area of the triangle), e.g. 7m x 5m or 10m x 3.5m.

Day 2 Y5 Triangle angles Sheet 1

1.   90°
2.   75°
3.   90°
4.   30°
5.   63°
6.   86°
7   68°
8.   90°
9.   56°
10.   75°

Revision

Day 2 Y6 Missing angles Sheet 2

Day 2 Y6 Missing angles Sheet 3