**Construction**

Construct these triangles using a ruler, compasses and protractor.

**Section A (SSS Triangles)**

1. ∆ABC: Length AB=10cm,

Length AC=4cm,

Length BC=8cm.

1. ∆ABC: Length AB=11cm,

Length AC=9cm,

Length BC=4cm.

Label angle A. What is the size of angle A?

1. ∆PQR: Length PQ=3cm,

Length QR=7cm,

Length PR=5cm.

Label angle P. What type of angle is P?

**Section B (SAS Triangles)**

1. ∆PQR: Length PQ= 4cm,

Angle P= 120°,

Length PR= 6cm.

Label length QR. What is length QR? Measured to one decimal place (1 d.p.)

1. ∆XYZ: Length XY= 9cm,

Length XZ= 10cm,

Angle X= 30°.

Label length YZ. What is length YZ?

1. ∆ABC: Length AB= 8cm,

Length AC= 8cm,

Angle A = 45°.

Label length BC. What is length BC?

**Section C (ASA Triangles)**

1. ∆ABC: Length AB=6cm,

Angle A = 30°,

Angle B = 150°.

What is the size of angle C?

1. ∆XYZ: Length XY= 6cm,

Angle Y = 90°

Angle X = 30°

What is the size of angle Z?

1. ∆RST: Length RS = 9cm

Angle S = 60˚

Angle R = 60˚

What is the size of angle T?