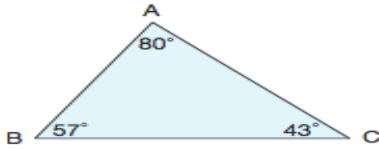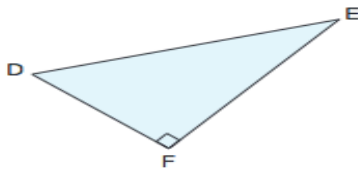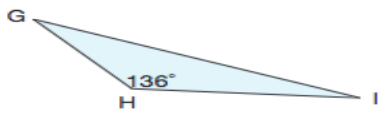➤ We can name triangles by the types of interior angles.
An **acute triangle** has all angles less than 90°.

A
80°
B 57°   43° C

A **right triangle** has one 90° angle.

E
D
F

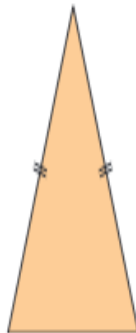An **obtuse triangle** has one angle greater than 90°.

G
136°
H   I

➤ We can name triangles according to how their side lengths compare.

| An **equilateral triangle** has 3 equal sides. | An **isosceles triangle** has 2 equal sides. | A **scalene triangle** has no equal sides. |

We use hatch marks to show equal sides.

➤ Here are some other attributes of triangles.

1. Use either or both of these tools: ruler and protractor
   - Construct each triangle listed below.
   - Explain how you know you have drawn that triangle.
   a) an acute triangle
   b) an equilateral triangle
   c) an isosceles triangle
   d) an obtuse triangle
   e) a right triangle
   f) a scalene triangle
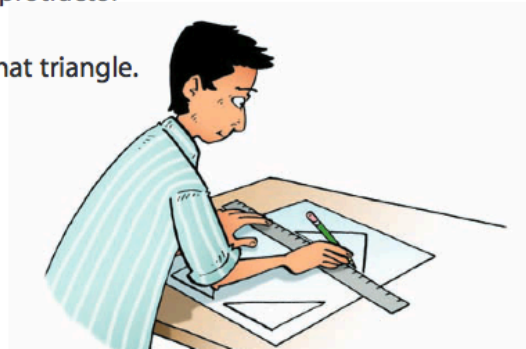
4. You will need drinking straws, a ruler, scissors, and pipe cleaners.
   Cut the straws into 9 pieces as shown.
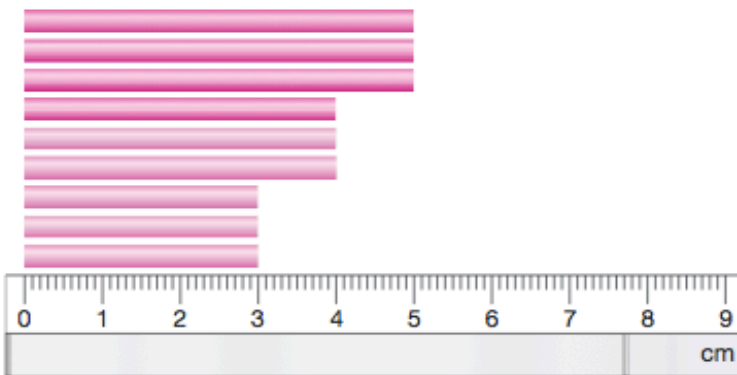
Use pieces of pipe cleaner as joiners.
Use combinations of 3 or more straws to make each triangle.
Trace each triangle.
Label each triangle with the measures of all the sides and angles.
   a) an isosceles triangle that is also an acute triangle
   b) an isosceles triangle that is also an obtuse triangle
   c) two different equilateral triangles
   d) two different right triangles

Can you draw each triangle?
a) A triangle with an obtuse angle and 2 equal sides. _____
b) A triangle with a right angle and no equal sides. _____
c) A triangle with 3 acute angles and 2 of the angles are equal. _____
d) A triangle with 3 right angles. _____
e) A triangle with 3 equal sides and 1 obtuse angle. _____