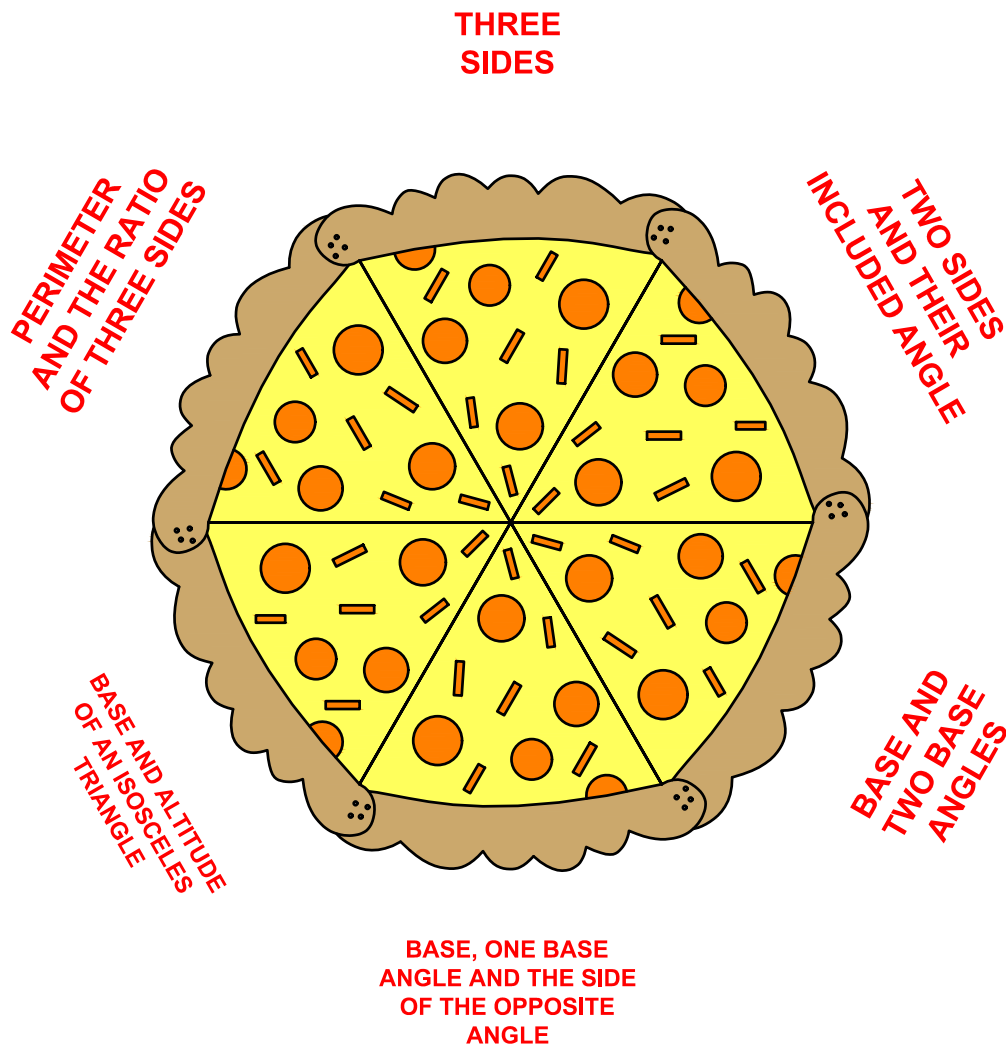


Basic triangle constructions.

These are the six basic triangle constructions in Graphical Communication.



BASIC TRIANGLE CONSTRUCTIONS

You can visit: <https://youtu.be/Fuk9g1QIDD4> to listen to an explanation about the different parts and their properties.

Construction of triangles - STARTER SHEET

1) Three sides

AB = 67
BC = 52
AC = 60

A _____ B

2) Two sides and their included angle

AB = 75
AC = 60
Angle CAB = 45°

A _____ B

3) Base and two base angles

AB = 75
Angle CBA = 45°
Angle CAB = 30°

A _____ B

4) Base, one base angle and the length of the side opposite the base angle

AB = 68
BC = 52
Angle CAB = 45°

A _____ B

5) Base and altitude of an isosceles triangle

AB = 60
VH = 56

A _____ B

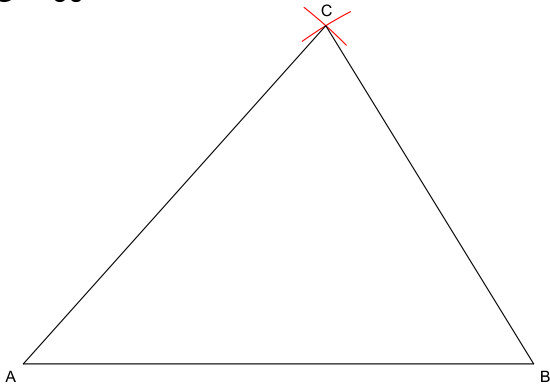
6) Perimeter and ratio of the three sides

Perimeter = 90
AB(3) : BC(4) : AC(5)

Construction of triangles - ANSWER SHEET

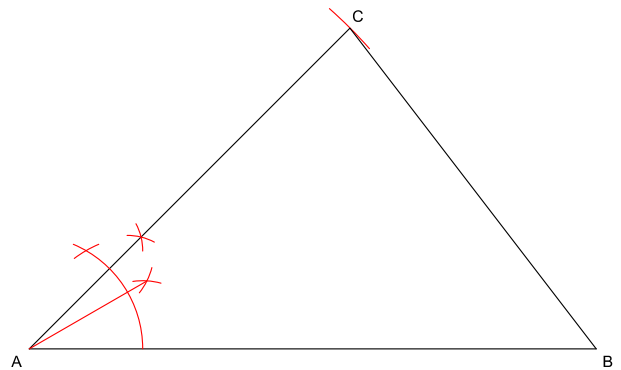
1) Three sides

AB = 67
BC = 52
AC = 60



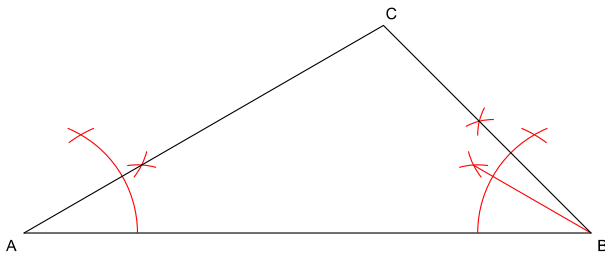
2) Two sides and their included angle

AB = 75
AC = 60
Angle CAB = 45°



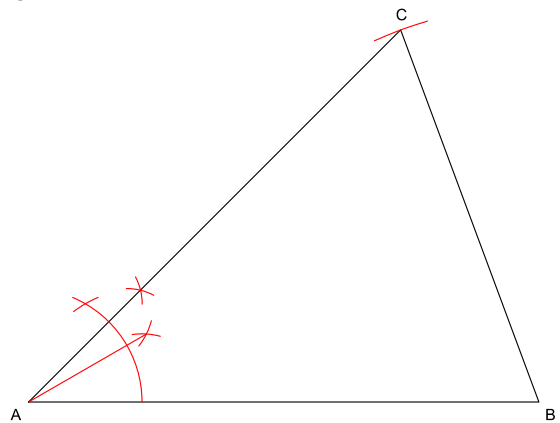
3) Base and two base angles

AB = 75
Angle CBA = 45°
Angle CAB = 30°



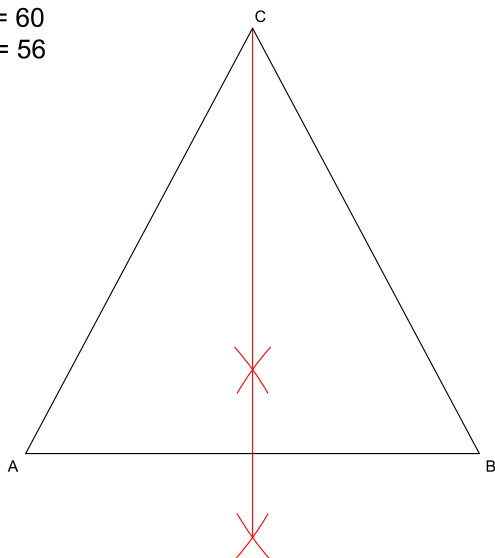
4) Base, one base angle and the length of the side opposite the base angle

AB = 68
BC = 52
Angle CAB = 45°



5) Base and altitude of an isosceles triangle

AB = 60
VH = 56



6) Perimeter and ratio of the three sides

Perimeter = 90
AB(3) : BC(4) : AC(5)

