

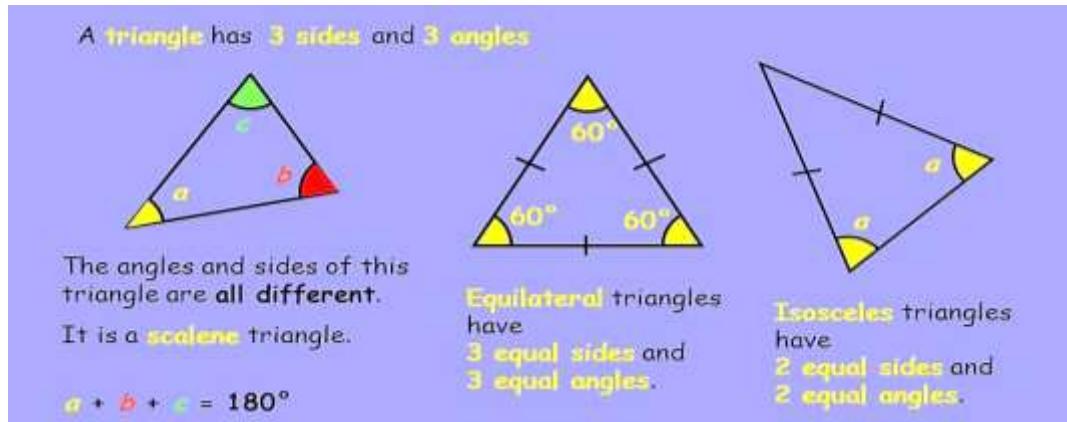
Namaskar ☺ I hope everyone is staying safe and utilising their time wisely.

All notes, shapes, examples and activities must be copied and completed in your exercise book.

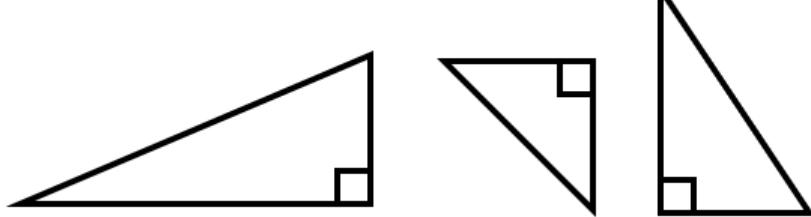
CALCULATING ANGLES

Reminders:

- ❖ The sum of angles (total angles) in a triangle is equal to 180°



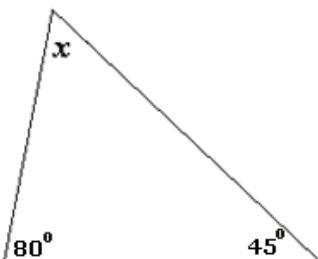
- ❖ In a right-angled triangle, one of the angles is 90° and is clearly shown by this symbol
- Eg.



- ❖ The sum of angles on a straight line is equal to 180°



Example: Calculate the missing angle in the given triangle.



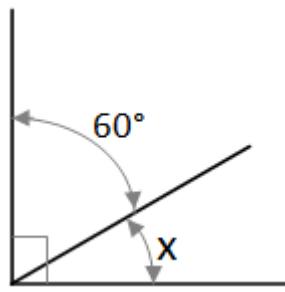
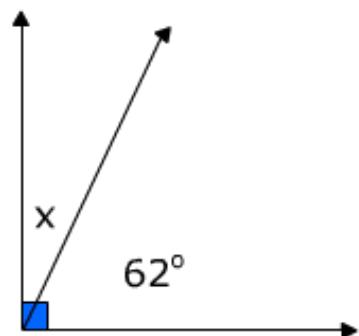
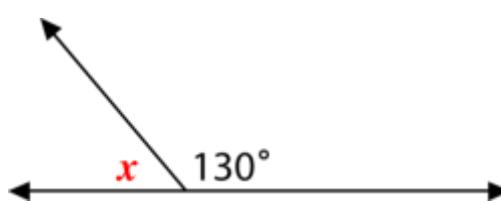
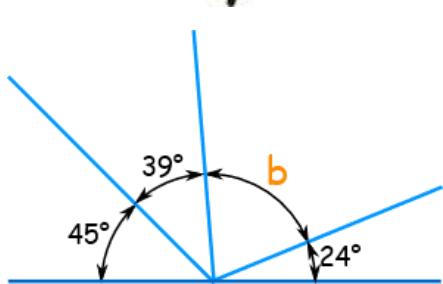
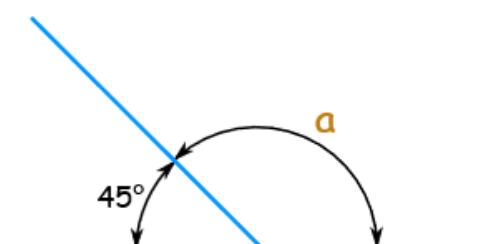
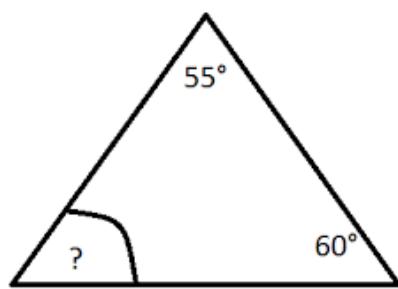
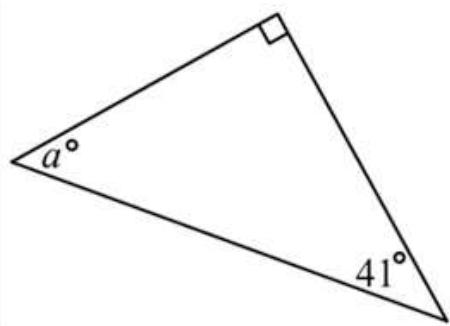
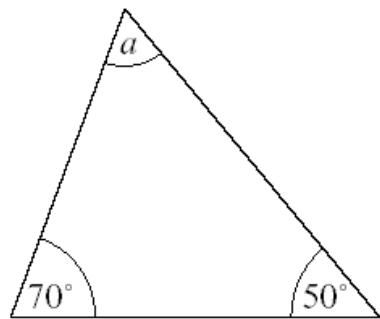
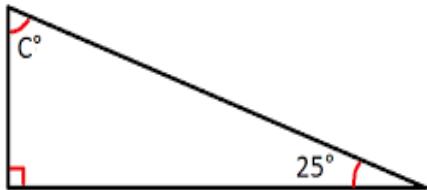
$$80 + 45 = 125$$

Since the sum of angles in a triangle is 180° , the remaining degrees will be the value of x .

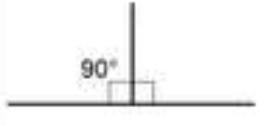
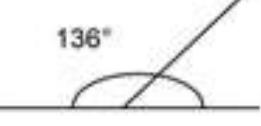
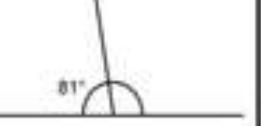
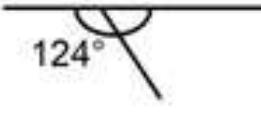
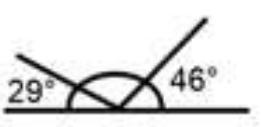
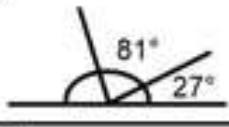
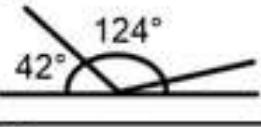
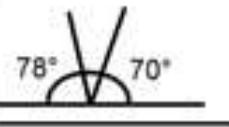
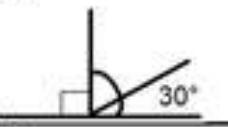
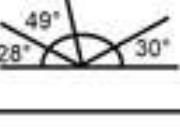
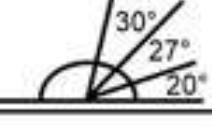
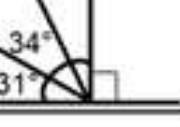
$$180 - 125 = 55^\circ$$

$$x = 55^\circ$$

Activity 1: Find the value of the missing angle. Show all workings.



Activity 2: Calculate the missing angles. Show all workings.

1) The angles on a straight line add up to.....	2) 	3) 	4) 
5) 	6) 	7) 	8) 
9) 	10) 	11) 	12) 
13) 	14) 	15) 	16) 