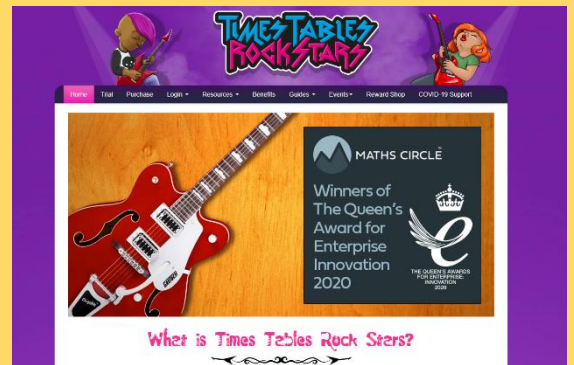


Friday 1<sup>st</sup> May 2020

Today, you will begin your learning by revising your times tables.

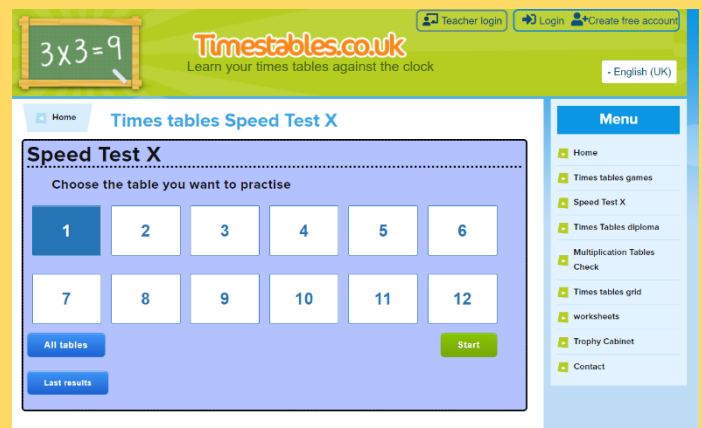
If you have your logins for Times Tables Rocks Stars, click the link below:

<https://ttrockstars.com/>



If you are unable to login, try the website below. Choose a times table.

# <https://www.timestables.co.uk/speed-test/>



Friday 1<sup>st</sup> May 2020

WALT: find missing angles

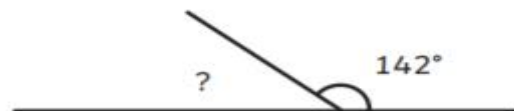
Today, you will be finding missing angles. Use this poster to help you.

# Finding Missing Angles

**Angles on a straight line always add up to 180°**

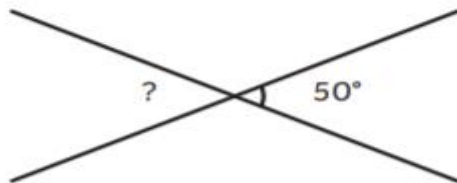


$180^\circ - 117^\circ = 63^\circ$   
The missing angle is 63°.

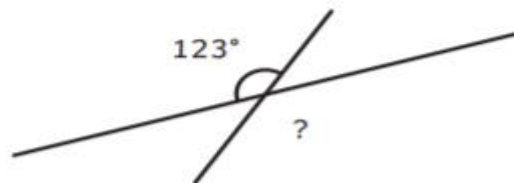


$180^\circ - 142^\circ = 38^\circ$   
The missing angle is 38°.

**Missing Vertically Opposite Angles**  
**Opposite angles are equal.**

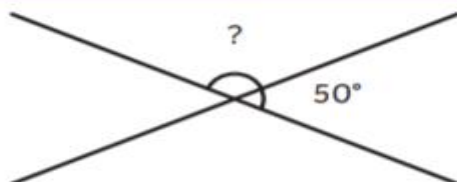


The missing angle is 50°.

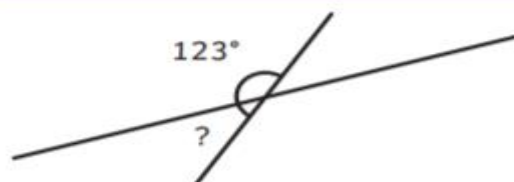


The missing angle is 123°.

**Angles around a point total 360°**

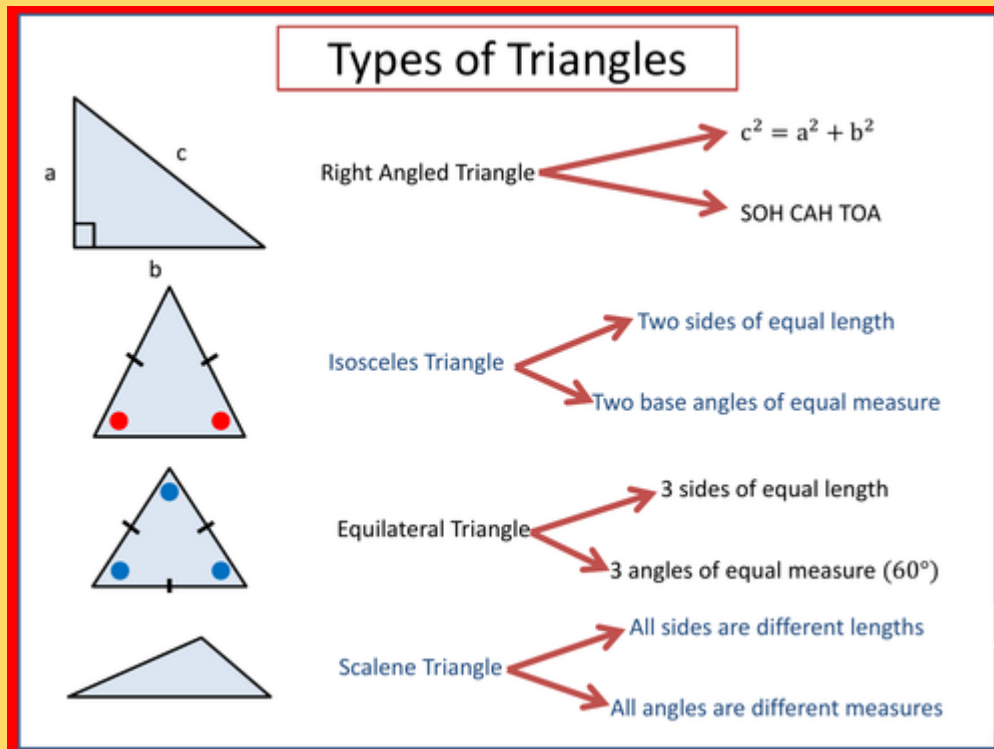


The two known opposite angles total 100°.  
 $360^\circ - 100^\circ = 260^\circ$   
 $260^\circ \div 2 = 130^\circ$   
The missing angle is 130°.



The two known opposite angles total 246°.  
 $360^\circ - 246^\circ = 114^\circ$   
 $114^\circ \div 2 = 57^\circ$   
The missing angle is 57°.

Use this poster to help you.



Friday 1<sup>st</sup> May 2020

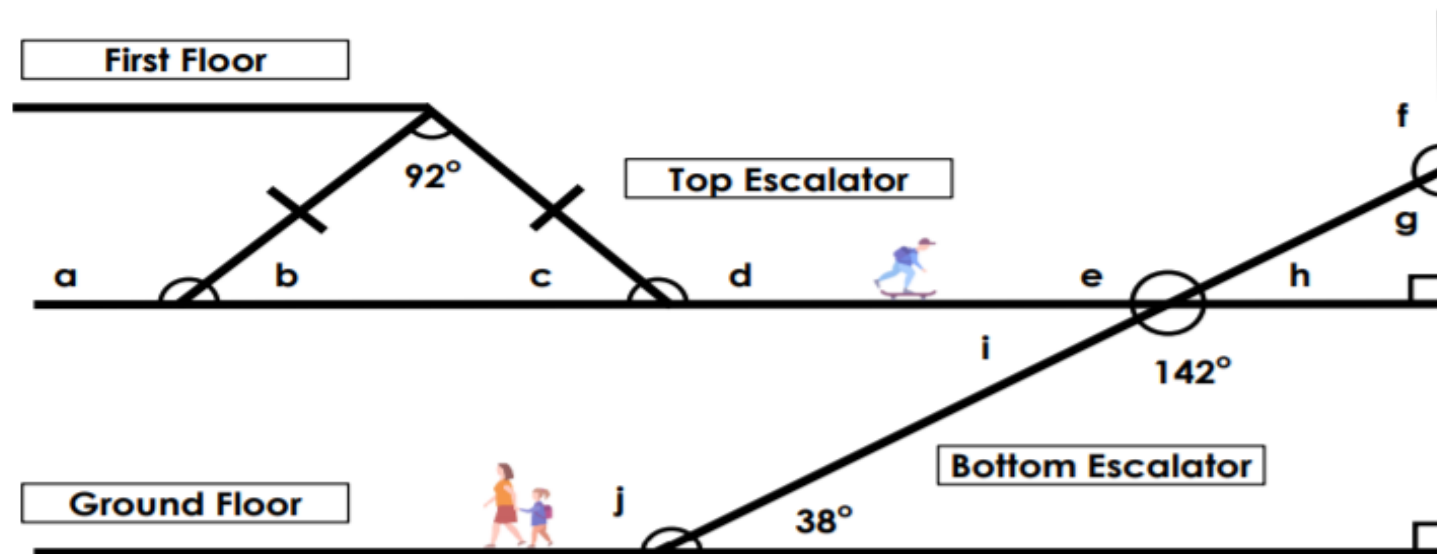
WALT: find missing angles

Write the answers in your book. Show your working out.

### Angles in a Triangle – Missing Angles

1. A builder wants to put in some escalators for a shopping centre but is having some trouble working out the angles for his plan.

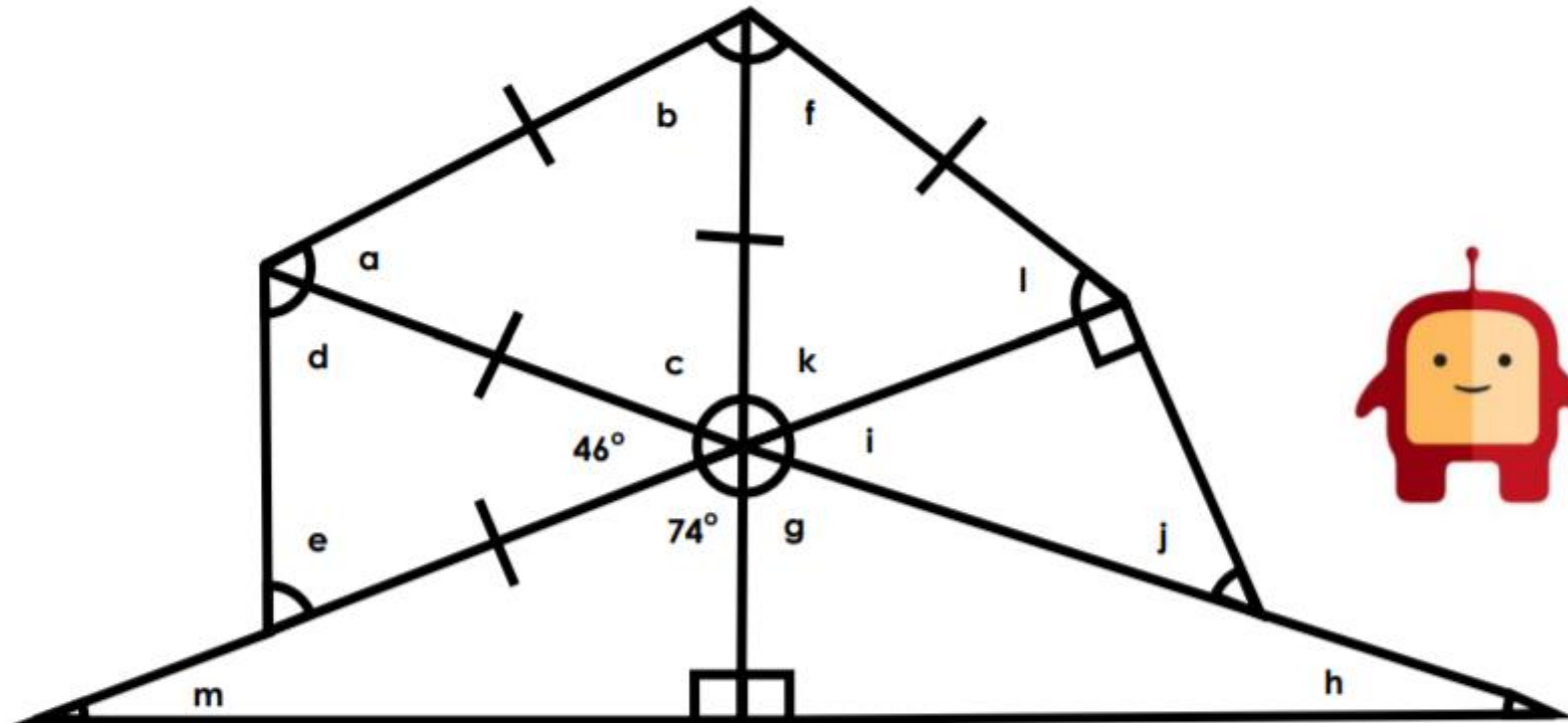
Using your knowledge of angles and triangles, calculate the missing angles shown.



*Not drawn to scale*

Write the answers in your book. Show your working out.

2. An alien has left behind some plans to design a new ship but unfortunately, it is written in an alien language except for a couple of angles! Use your knowledge of angles and triangles to uncover the plans and calculate the missing angles!



Not drawn to scale

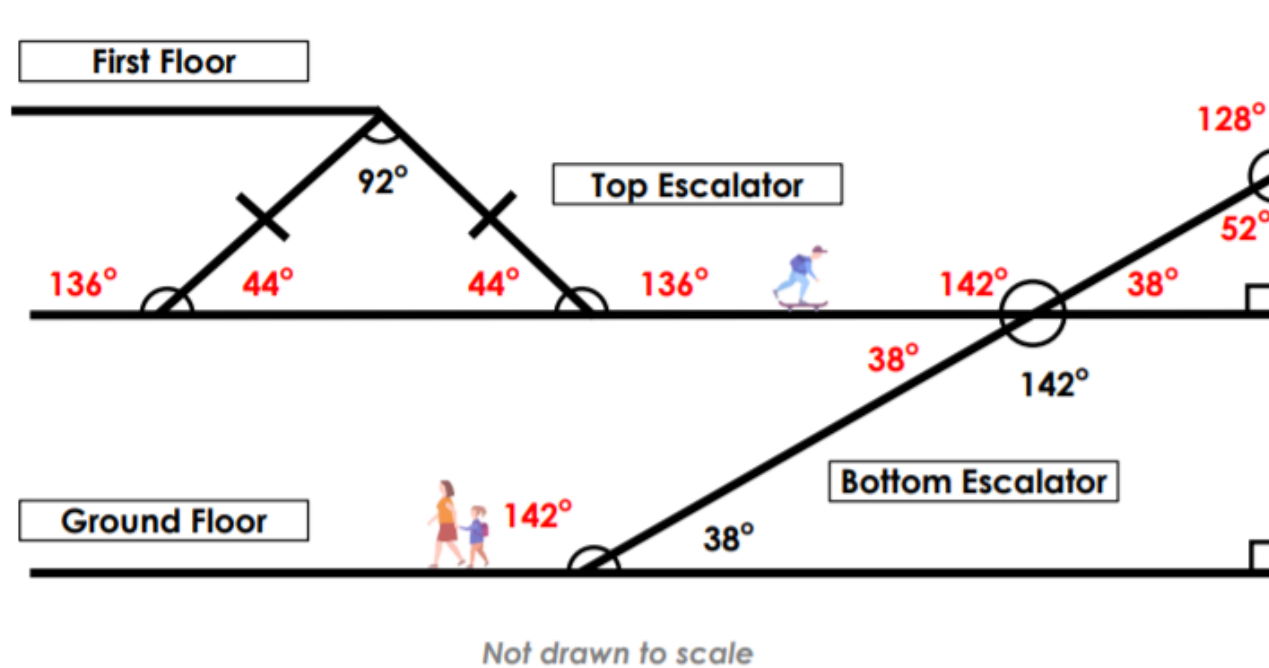
DP

Well done! Now check your answers.

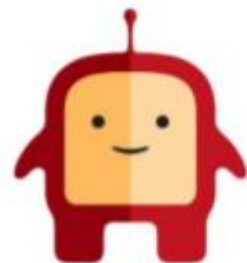
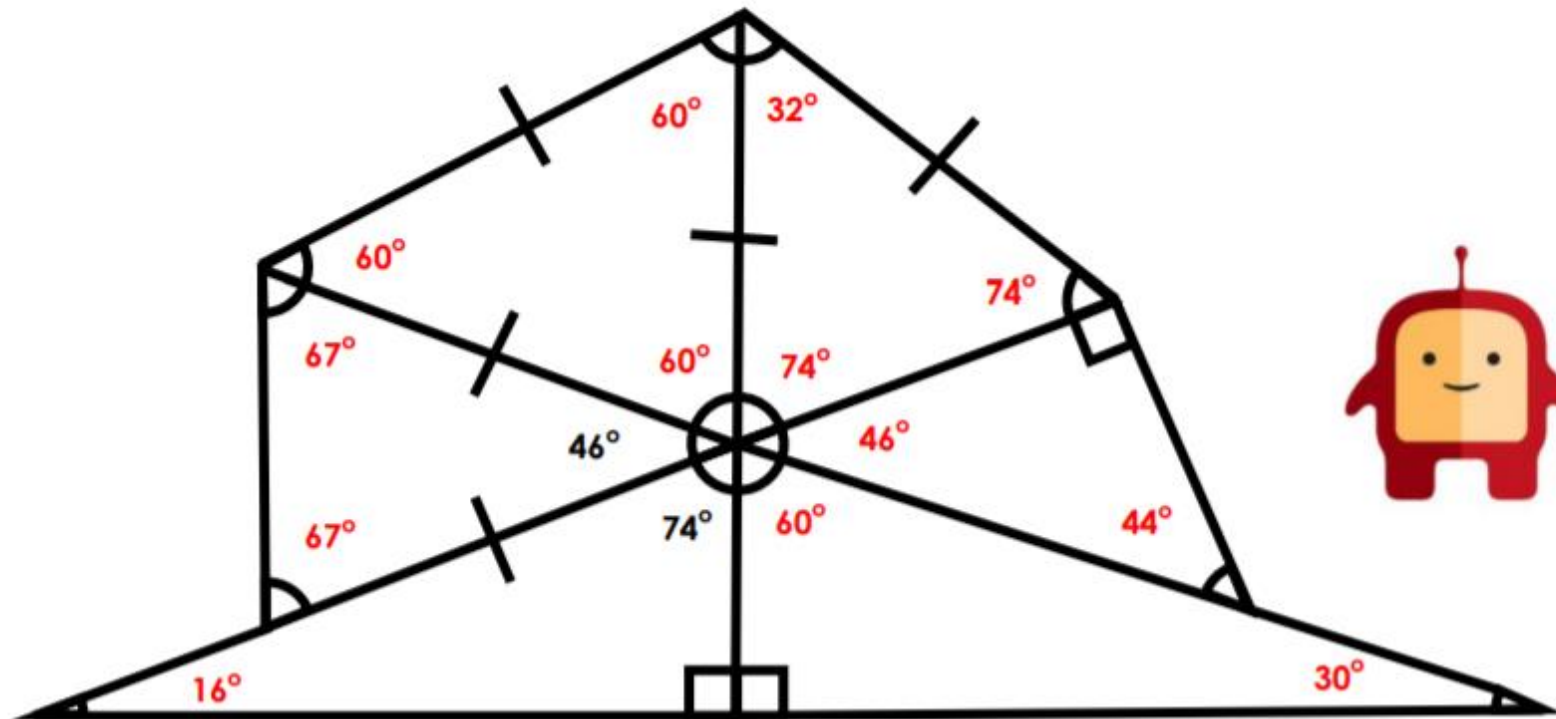
## Answers

1. A builder wants to put in some escalators for a shopping centre but is having some trouble working out the angles for his plan.

Using your knowledge of angles and triangles, calculate the missing angles shown.



2. An alien has left behind some plans to design a new ship but unfortunately, it is written in an alien language except for a couple of angles! Use your knowledge of angles and triangles to uncover the plans and calculate the missing angles!



*Not drawn to scale*