

LO:

Angles on a straight Line

Remember! Angles on a straight line total 180 degrees

Practise

How many degrees are there in a right angle?

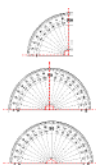
How many will there be in two right angles?

If we place two right angles together, what do we notice?

How can we calculate the missing angles?

How can we subtract a number from 180 mentally?

1.



There are _____ degrees in a right angle.

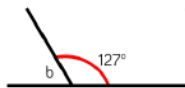
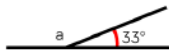
There are _____ right angles on a straight line.

There are _____ degrees on a straight line.

2.



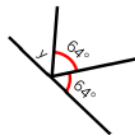
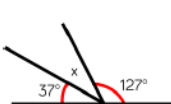
Calculate the missing angles.



3.

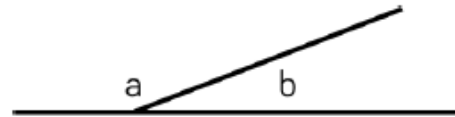


Calculate the missing angles.



Reasoning

4. Here are two angles.



Angle b is a prime number between 40 and 50

Use the clue to calculate what the missing angles could be.

5. Jack is measuring two angles on a straight line.

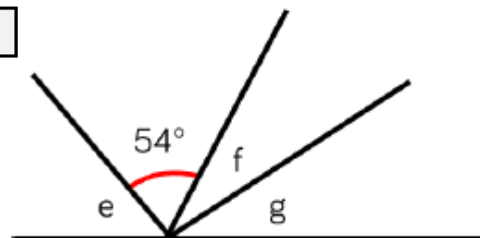
My angles measure 73° and 108°



Explain why at least one of Jack's angles must be wrong.

Problem Solving

6.



- The total of angle f and g are the same as angle e
- Angle e is 9° more than the size of the given angle.
- Angle f is 11° more than angle g

Calculate the size of the angles.

Create your own straight line problem like this one