



1) A straight line is made up of **2** right angles.

A right angle is **90** degrees.

A straight line is **180** degrees.

2) a) **141°**

b) **76°**

c) **71°**

d) **76°**

1) **True.** 15 minutes is a right angle and therefore 30 minutes is two right angles – 180 degrees.
Jen has turned half a turn.



Accept any correct answer, for example - 3 o'clock to 9 o'clock / 4 o'clock to 10 o'clock / 5 o'clock to 11 o'clock / 12 o'clock to 6 o'clock / 1 o'clock to 7 o'clock.

2) **False.** The sum of the angles given by Floria is 190° and angles on a straight line add to make 180° .

1) $a = 50^\circ$. I know this because *the sum of the angles in a triangle is 180° . $80 + 50 = 130$ so the missing angle must be 50° .*



$b = 80^\circ$. I know this because *d has a value of 100° , so b must have a value of 80° as angles on a straight line have sum of 180° . (Children may also know that opposite angles are equal and therefore if we know the vertex of the triangle is 80° , b must also be 80° .)*

$c = 130^\circ$. I know this because *the other angle on the line is 50° so c must have a value of 130° as angles on a straight line have sum of 180° .*

$d = 100^\circ$. I know this because *there is a straight line and one angle is 80° , so this must be 100° as angles on a straight line have a sum of 180° .*

2) **Teacher to check children's angle pictures.**