

12/02/21

(Starter) O LO: Can I recap how to compare and order numbers?

(Main) O LO: Can I continue to find missing angles in shapes?

Starter

We are going to recap how we compare and order numbers. To compare numbers, we use three symbols:

- $<$ = the number on the left is less than the number on the right
- $>$ = the number on the left is greater than the number on the right
- $=$ = the numbers are equal

Look at the numbers below and fill in the missing symbol

52 38

120 49

22 11

2876 287

0.5 0.55

Next, order the numbers below from smallest to largest:

99 345 671 345 222

234 562 728 666 166

990 812 765 543 541

1.3m 2.4m 1.9m 0.9m

£4.25 £4.02 £4.15 £4.90

For guidance on the main tasks below, watch the Maths video on Class 4's on Thursday.

Main

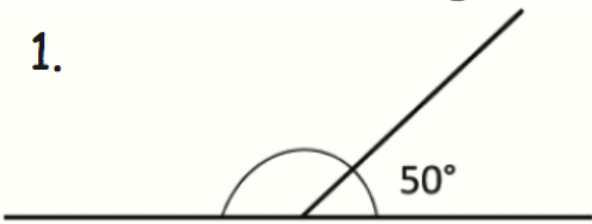
Calculate the missing angles in each of the shapes below. You will need to know the following facts to do this:

1. Angles in a triangle add up to 180° .
2. Angles in a quadrilateral (four-sided shape) add up to 360° .
3. Angles on a straight line add up to 180° .
4. Angles in a full turn should add up to 360° .
5. Angles in an equilateral triangle add up to 180° (and are all the same size!)
6. The two angles at the bottom of an isosceles triangle (2 long sides, 1 short side) are the same size.

Find the missing angles.

Remember that angles on a straight line add up to 180° .

1.



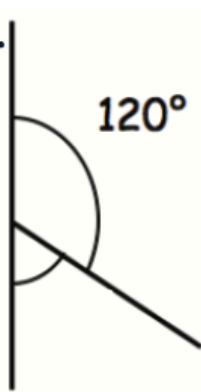
2.



3.



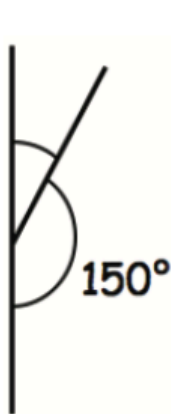
4.



5.



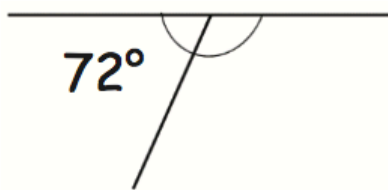
6.



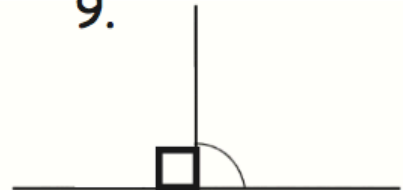
7.



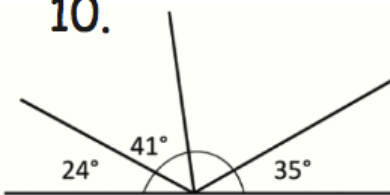
8.



9.



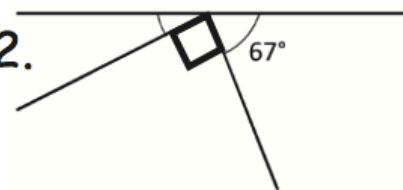
10.



11.

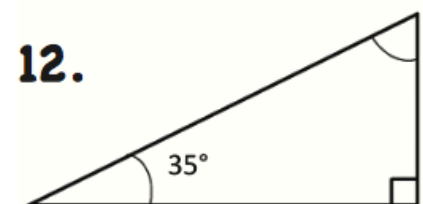
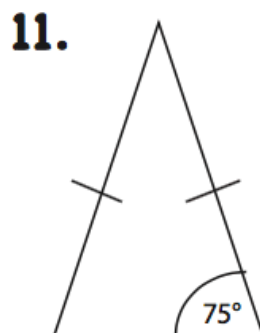
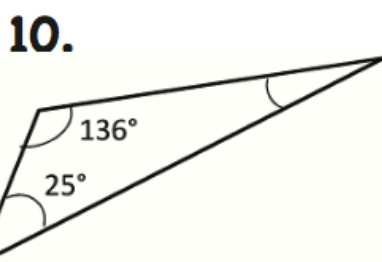
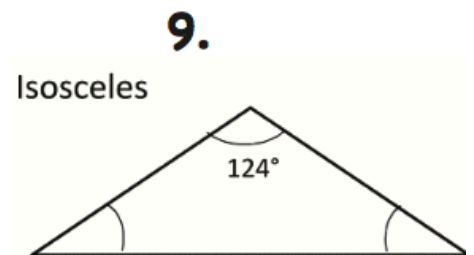
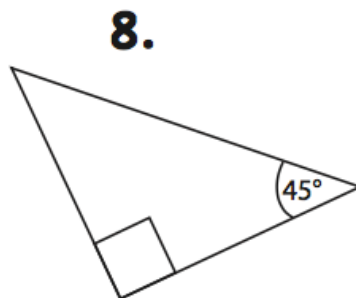
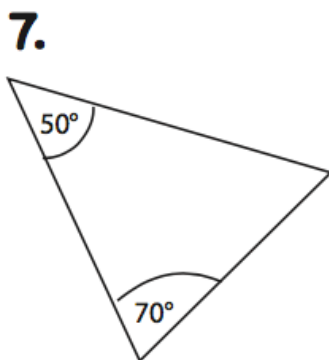
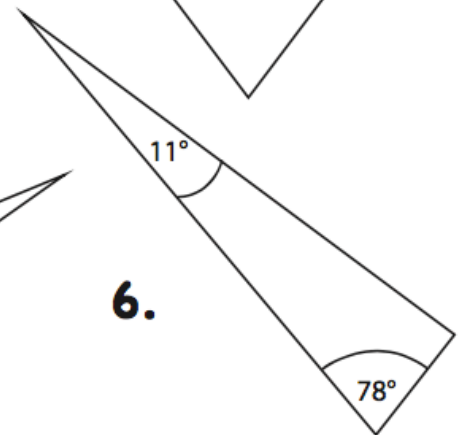
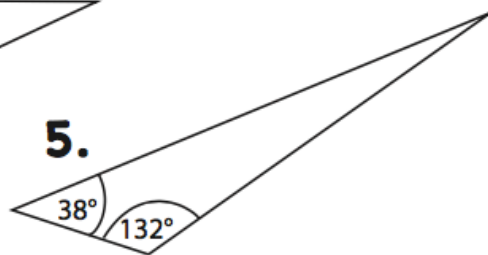
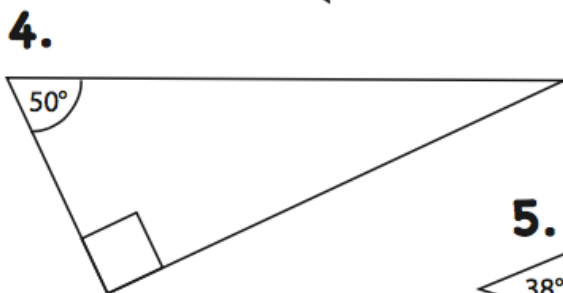
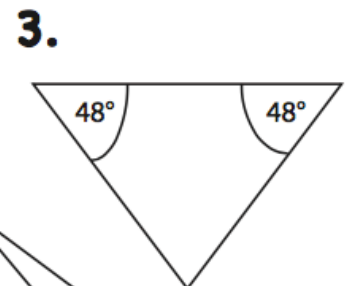
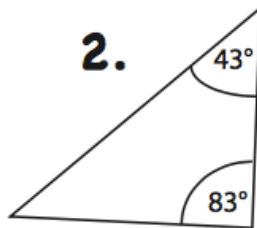
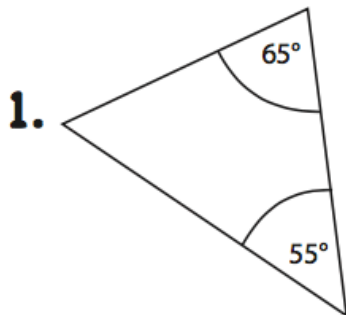


12.



Find the missing angles.

Remember that angles in a triangle add up to 180° .



Extension:

Hint: for these particular questions, you need to use more than one of the facts above to help you work out the missing angles. For example, think about what type of triangle number 7 is to work out the missing angles in it. For triangle 8, work out the angles on a straight line to work out angle x.

Find the missing angles marked with letters.

