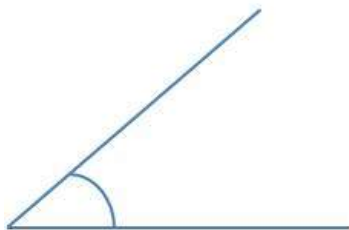


Tuesday 7th July- **compare and order angles**

Recap on angles

- Last lesson we looked at the different names used for different angles.
- We learnt that right angles are exactly 90° .
- We learnt that acute angles are **LESS THAN** 90° .
- **WE** learnt that obtuse angles are **MORE THAN** 90° .



Acute angle

Less than 90°



Right angle

Exactly 90°

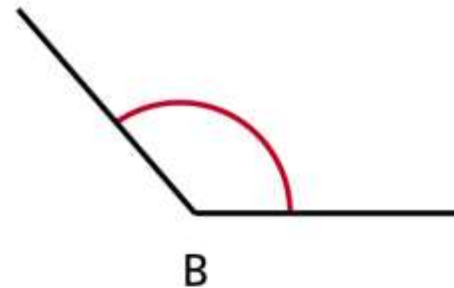
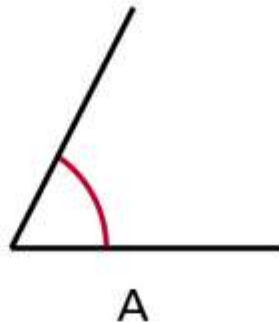


Obtuse angle

More than 90°
Less than 180°

Compare and order angles

- 1 Here are two angles.



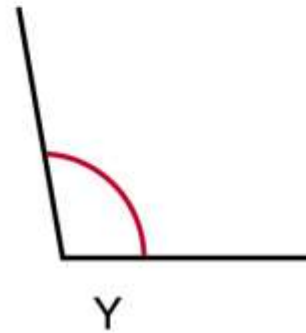
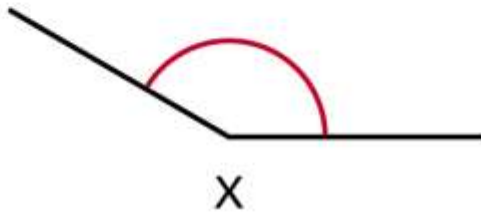
a) Which angle is obtuse? _____

b) Which angle is acute? _____

How do you know?



2 Here are two angles.

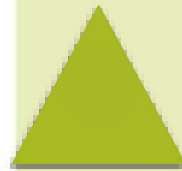


a) What type of angle is angle X?

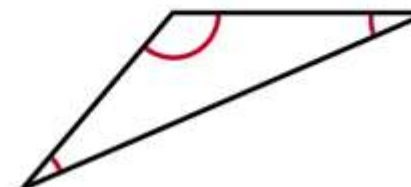
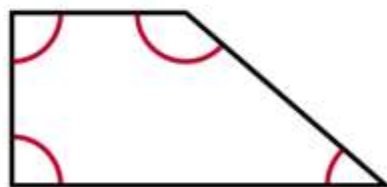
b) What type of angle is angle Y?

c) Which angle is smaller?

How do you know?

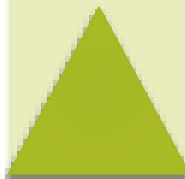


3 Circle the greatest angle in each diagram.



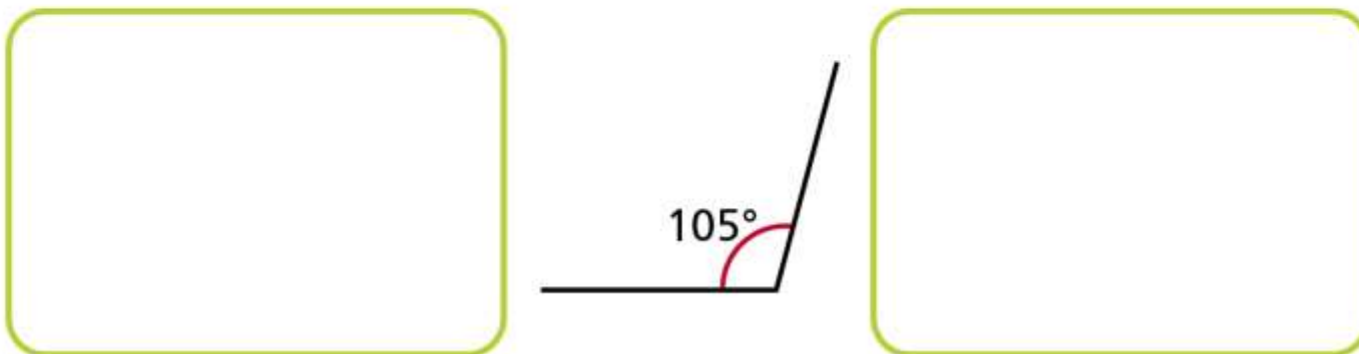
Have a look at this angle . Is it acute , obtuse or a right angle?
Does it look wider than the other angle next to it?





4

Here is an angle.

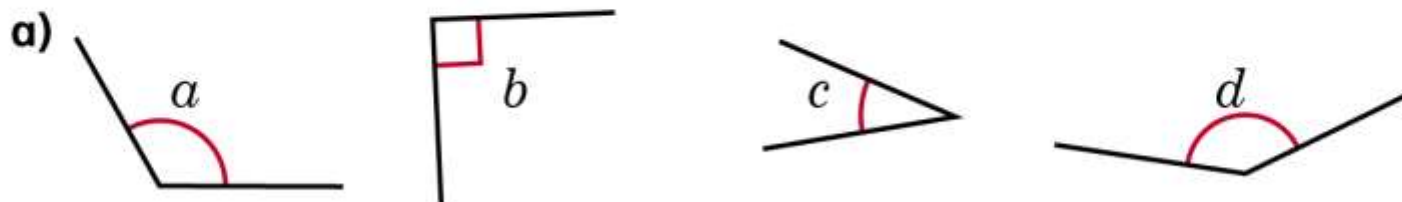


- Draw a smaller angle than 105° in the box on the left.
- Draw a greater angle than 105° in the box on the right.
- Is this statement true or false?

The angles are in ascending order of size.

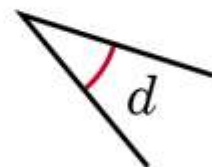
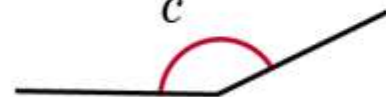
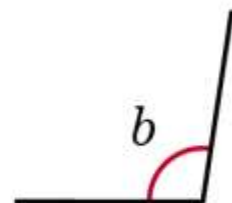
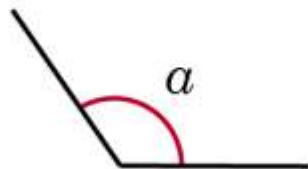
Explain your answer.

5 Order the angles from greatest to smallest.

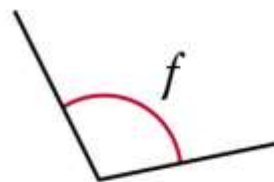
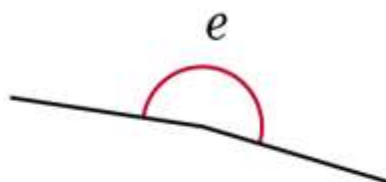
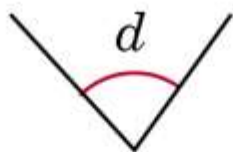
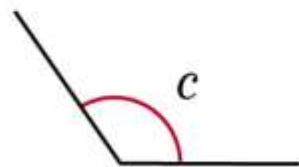
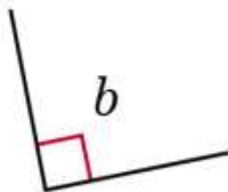


5

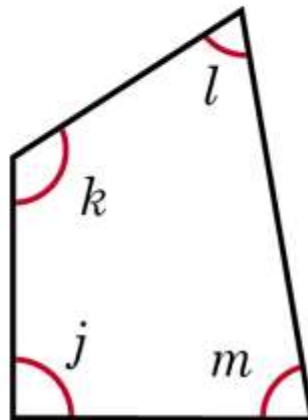
c)



- 6 Compare and order the angles from smallest to greatest.



- 7 Four angles are labelled in the quadrilateral.



a) Which of the angles are acute angles? _____

b) Which of the angles are obtuse angles? _____

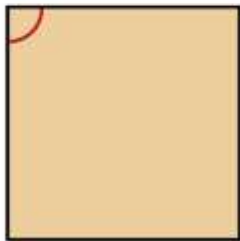
c) Write the angles in order of size, starting with the smallest.



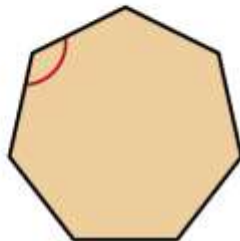
8

An interior angle is marked in each polygon.

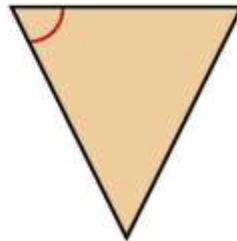
A



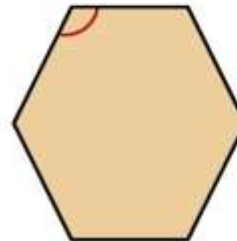
B



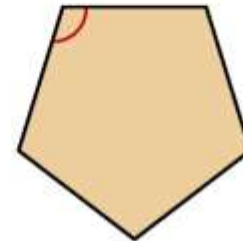
C



D



E



Order the interior angles of the polygons from smallest to greatest.

What do you notice about the number of sides a polygon has and the size of its interior angle?