Geometry – Properties of shapes

This topic is a recap of knowledge that they have covered previously. So if you feel like you may have seen these problems before, you may have.
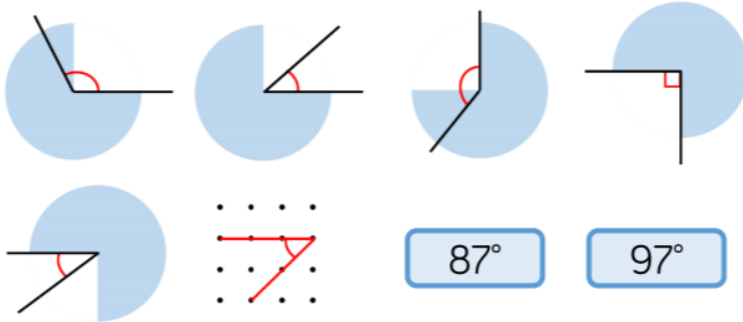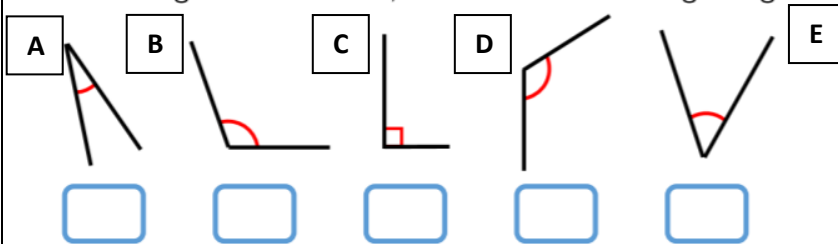
Step 1:

A right angle is _____ degrees.
Acute angles are _____ than a right angle.
Obtuse angles are _____ than a right angle.
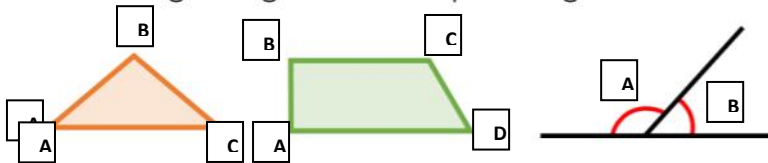
Sort the angles into acute, obtuse and right angles.

87°   97°

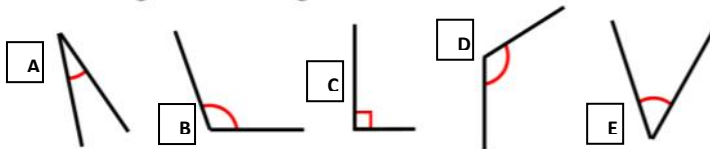Label the angles. O for obtuse, A for acute and R for right angle.

A   B   C   D   E

Step 2: Draw 3 right angles, 3 acute angles and 3 obtuse angles.

Step 3:

Circle the largest angle in each shape or diagram.

B   B   C   A   B
A   C   A   D

Order the angles from largest to smallest.
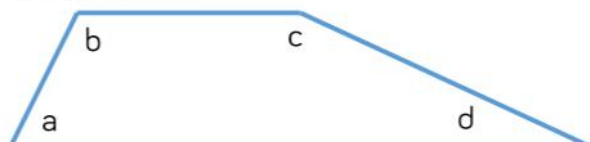
A   D   C
B   E

Can you draw a larger obtuse angle?
Can you draw a smaller acute angle?

Order the angles in the shape from smallest to largest.
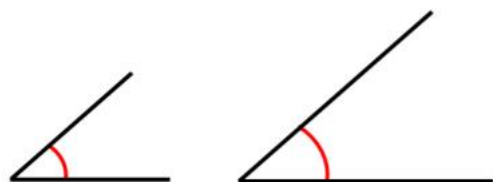Complete the sentences.

b   c
a   d

Angle _____ is smaller than angle _____.
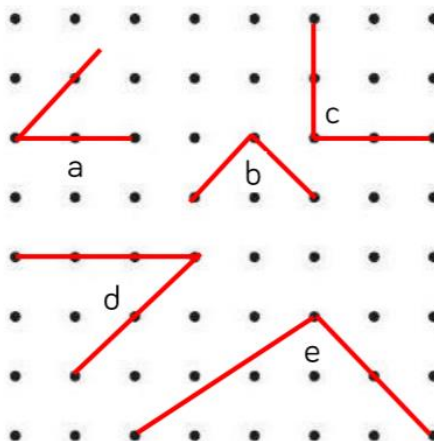Angle _____ is larger than angle _____.

Step 4:
Reasoning with angles

Here are five angles.
There are two pairs of identically sized angles and one odd one out.
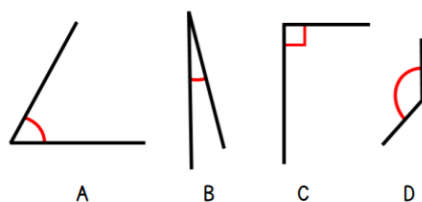Which angle is the odd one out?
Explain your reason.

Angle A   **Angle B**

Angle B is bigger than Angle A because it has longer sides.

Ron

Do you agree with Ron? Explain your thinking.

Step 5:

1. Order the angles from smallest to largest.

A   B   C   D
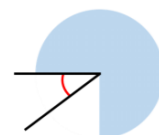
Smallest angle   Largest angle

2. Draw another line on each diagram to make the type of angle written below it.

Right angle   Acute angle

Obtuse angle
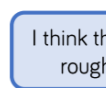
I know the angle is not obtuse.

Teddy

I know the angle is acute.

Alex

I think the angle is roughly 45°.

Whitney

Who is correct?
Explain your reasons.

Additional areas to work on:

Play on Hit the Button - focus multiplication tables.

Work through the areas of last week's arithmetic paper and then on an area they are unsure of. (Look at the Calculation Policy on the school website under 'Curriculum' and then 'Maths' for help in how to support + - x and ÷)
https://www.sampford-peverell-primary.devon.sch.uk/website/maths/459621
Also in the maths section of the website is a link to a fantastic maths revision interactive resource which gives the children extra questions in whichever area of maths they would like to work on a little more – with YouTube links to explain the process!