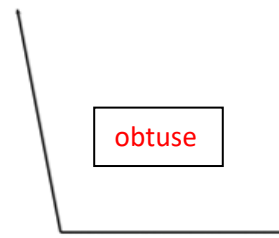
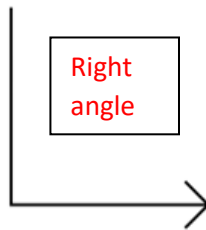
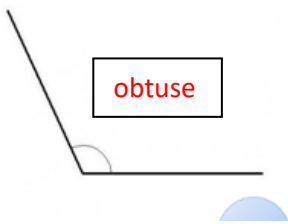
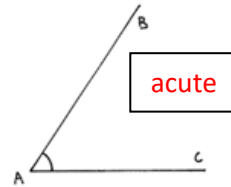
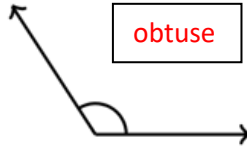
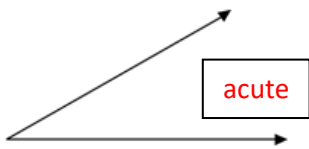


Maths answers- 15.6.20

Monday



Challenge

All are correct. Children may reason about how Jess has come to her answer and discuss that the angle is about half a right angle. Half of 90 degrees is 45 degrees.

Tuesday

Circle the largest angle in each shape or diagram.



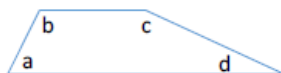
Can you label each angle as acute, obtuse or right angle?

Order the angles from largest to smallest.



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.

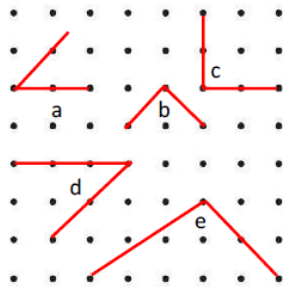


Angle _____ is smaller than angle _____.
Angle _____ is larger than angle _____.

Triangle- top (obtuse), 2 corners (acute)
Quadrilateral- left side (2 right angles), bottom left (acute), top left (obtuse)
Last diagram- left is acute and right is obtuse.

D= smallest, A= 2nd smallest, B= 3rd smallest, C= largest
Angle D is smaller than angle A
Angle C is larger than angle B

Here are five angles.
There are two sets of identical sized angles and one odd one out.
Which angle is the odd one out?
Prove it.



Angle e is the odd one out.

Angle b and c are both right angles.

Angle a and d are both half of a right angle 45 degrees.

Angle e is an obtuse angle.

Challenge

Greatest to smallest

08:15

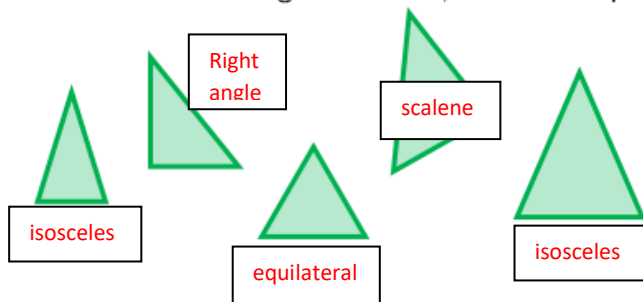
Eight o'clock

Twenty to eleven

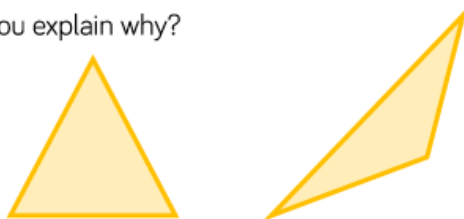
Five past 11

Wednesday

1 Label each of these triangles **isosceles**, **scalene** or **equilateral**.



2 Look at these Triangles.
What is the same and what is different?
Can you explain why?



Same:

They both have 3 sides. They both have 3 corners.

Different:

Size of the angles. The length of the sides.

3 Decide if each statement is true or false.

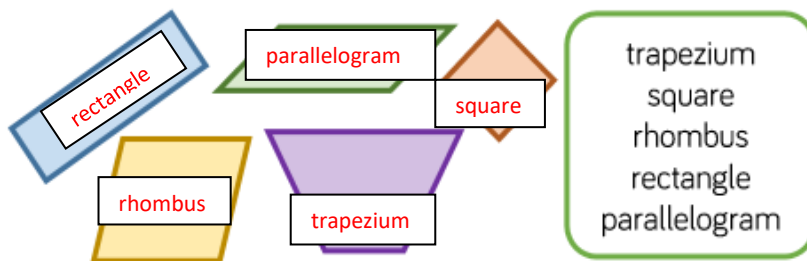
	True	False
All the sides of an isosceles triangle are equal.		<input type="checkbox"/>
A right-angled triangle has one angle that is 90°	<input type="checkbox"/>	
A scalene triangle cannot have a right angle.		<input type="checkbox"/>

Challenge

Maisy is not correct. The length of the string will depend what sort of triangle can be made.

Thursday

1 Label the quadrilaterals using the word bank.



2 Use the criteria to describe the shapes.



- four sides
- 2 pairs of parallel sides
- four equal sides
- polygon
- 1 pair of parallel sides
- 4 right angles

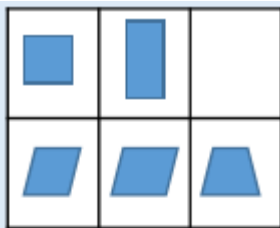
Which criteria can be used more than once?
 Which shapes share the same criteria?
 Can you add any more properties to the shapes?

Square- 2 pairs of parallel sides, four equal sides, 4 right angles, four sides, polygon.
 Rectangle- 2 pairs of parallel sides, four sides, 4 right angles, polygon.
 Trapezium- 1 pair of parallel sides, four sides, polygon.
 Rhombus/Parallelogram- 2 pairs of parallel sides, four sides, polygon.

- 3 Draw and label;
- a rhombus.
 - a parallelogram.
 - 3 different trapeziums

The children can draw the shapes in whichever way they choose, as long as they meet the criteria set at the top of the page. If they do not meet this, then have a discussion about which part may not be quite right and why using the language from the website/top of the page.

Challenge



Children can discuss if there are any shapes that can go in the top right corner. Some children may justify it could be a square or a rectangle however these have 2 pairs of parallel sides.