Canonbury Home Learning

## Year 5 Maths

## Summer week 6 Lesson 4 - 04.06.20

## Starter

Get an adult to time you answering these questions, can you do it again and beat your time - maybe let me know your best time for others to beat.


1. Remember there are 360 degrees around a point (a full turn)
2. Remember 280 degrees on a straight line
3. Remember 90 degrees in a right angle.

## Model

Use the digit cards to fill in the missing numbers.


First: Look at the top
2 numbers, They must add to 180 as on a straight line. One ends in ' 2 ' so the other must end in ' 8 ' to make the units digit ' 0 '. Therefore the larger angle is 108 and 180-108= 72.

Second The bottom 2 must also add to 180. One ends in ' 4 ' so the other must end in ' 6 ' to make the units digit ' 0 '. 180-96 = 84 .

LO: To calculate angles around a point

## MILD

| 1a. Use the digit cards to fill in the missing <br> numbers. |  |
| :--- | :--- |
| 1b. Use the digit cards to fill in the missing <br> numbers. <br> 2a. Asa is cutting a jam tart. <br> First, she cuts the tart into 2 equal halves. <br> Then, she cuts one half into 2 equal <br> pieces and the other half into 2 unequal <br> pieces. She says that one of the equal <br> pieces is smaller than the larger unequal <br> piece. <br> How is this possible? Explain your answer. | How is this possible? Explain your answer. <br> First, he couss that 2 of the equal pieces. <br> bigger than half of the cake. |
| You could draw a diagram to help you. | You could draw a diagram to help you. |

## SPICY

4a. Use the digit cards to fill in the missing numbers.


5a. Alfie is cutting a cake. First, he cuts the cake into 2 equal halves.
Then, he cuts one half of the cake into 3 equal pieces.
He cuts the other half of the cake into 2 unequal pieces. One of these pieces makes an obtuse angle.
Alfie says that one of the three equal pieces of cake is bigger than the smaller unequal piece.
How is this possible? Explain your answer.
You could draw a diagram to help you.

6a. Use the hints to work out the angles. Four angles make up a full furn.

Angle $A$ is half of a right angle.
Angle $B$ is double angle $A$.
Angle C is a third more than Angle B.
Angle $D$ is an obtuse angle and a multiple of 5 .

What are the 4 angles?

4b. Use the digit cards to fill in the missing numbers.


5b. Evie is cutting a meat pie. First, she cuts the cake into 2 equal halves.
Then, she cuts one of the halves into 4 equal pieces and the other half she cuts into 3 unequal pieces. One of the unequal pieces is a right angle. Evie says that one of the other unequal pieces is smaller than one of the 4 equal pieces.

How is this possible? Explain your answer.
You could draw a diagram to help you.

6b. Use the hints to work out the angles. Four angles make up a full furn.

Angle $\mathbf{A}$ is a multiple of 5 and 7.
Angle $B$ is triple angle $A$.
Angle $C$ is an obtuse angle.
Angle $D$ is a third of angle $C$.

What are the 4 angles?

## RED HOT



