# HOME LEARNING

# YEAR 6

# 01/05/2020

## Morning Message

Good morning year 6,

We have reached the end of another week of home learning. Well done for all your hard work.

Today's facts of the day:

There is a village in Scotland called Dull and it is twinned with a village in the U.S. called Boring!

For every human on the planet, there are around 200 million insects.

Answer to yesterday's riddle: *age*. Today's riddle: *the more you take of me, the more you leave behind. What am I?*

We hope you have a lovely weekend.

Mr Larke and Ms. Yerlisu

## Today's Picture

## Writing

Today's task is to imagine a character walking down a secluded beach. You can name them anything you like. You will then write a scene from a story imagining your character sees the giant objects arrive on the beach. Maybe they fall from the sky? Maybe they are washed up onto the beach? Your character goes to investigate. They touch the objects when suddenly a crack emerges. What noise does the crack make? Something is emerging…

Write the scene from where your character is walking down the beach until a creature emerges.

**Tips for success:**

**- write in the third person**

**- describe the scene as your character walks along the beach before the objects arrive**

**- create tension and drama as the egg starts to hatch**

**- describe the creature that emerges using powerful vocabulary**

**- leave the scene on a cliff-hanger**

## Reading

**Day 5: Themes**

**Today we would like you to consider the major themes of the text and find evidence to show why you think that. Try and find 3 different themes. Write in full sentences.**

**e.g. I believe one of the themes of the text is friendship. I know this because some of the dolls are sad because they miss their human companions – they long to re-united with their friends.**

**Remember to think of P4C when considering themes. They are often abstract ideas like *love, hope, pain, fear etc.***

## Maths

In this lesson, you will continue to reason about the sum of interior angles in triangles and quadrilaterals, and angles on a straight line and at a point. You will revisit calculating the sum of the interior angles in regular polygons to identify the size of each angle. You will continue to apply this understanding to find missing angles. Tips

- Recall or calculate the size of each angle and the sum of angles in a regular polygon. Quadrilaterals 360°, pentagon 540° etc.
- Use of notations and properties of shapes to help solve problems. Q4, lines represent equal in length and angle, arrow represent parallel lines.
- Reason about angles that meet at a point or on a straight line to help find missing angles. Remember interior and exterior angles.

# ⚡ Power Up

Mr Lopez is making up some fruit squash for his class to drink at sports day. He makes a container of squash holding 38 litres. There are 25 children in his class. How much squash will there be for each child if it is shared out equally?

A prize of £572 is to be divided equally amongst 16 winners. How much does each person receive?

Tip
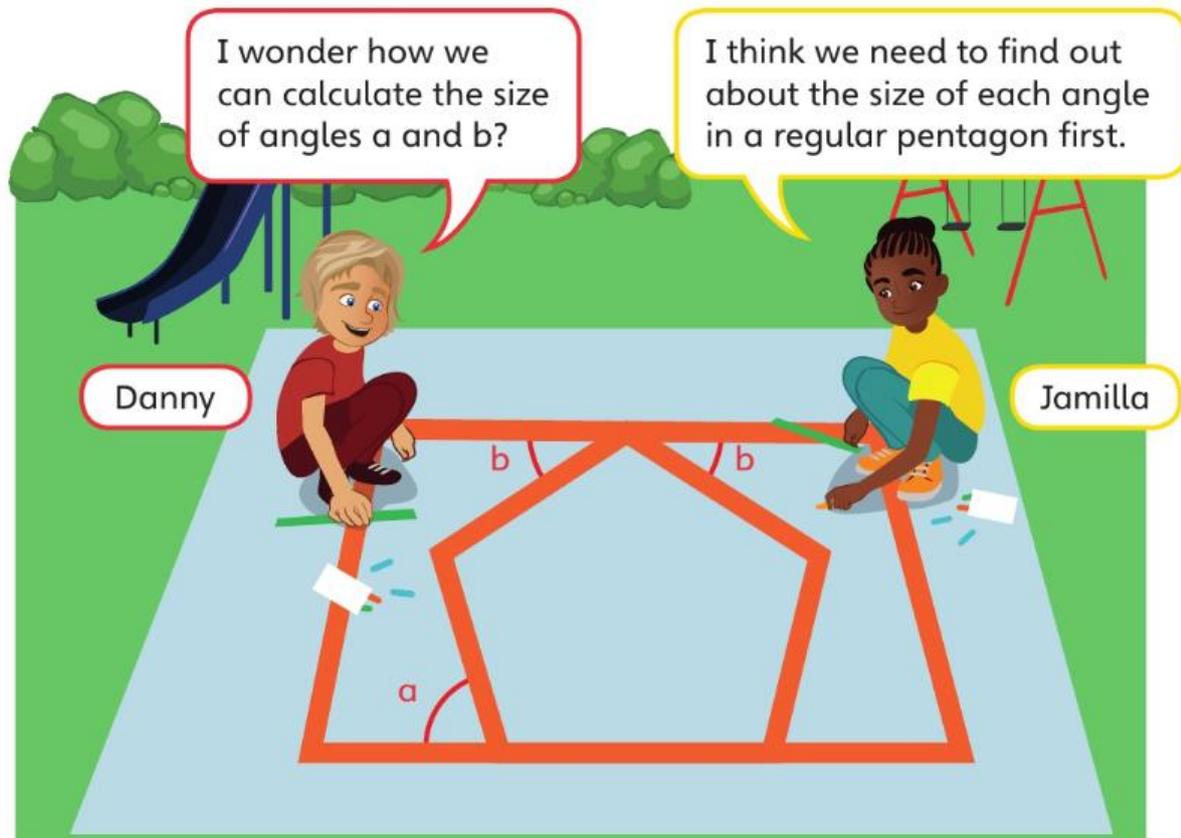Remember to use a written method. Answers are in 2 decimal places. You can add 0 to the remainder after the decimal point to the quotient.
If you are not confident with long division method use factors of the divisor.
$78 \div 25 =$   Factors of 25 are 1 x 25,  5 x 5   I choose 5 and 5
$7 \, _2 8 \, _{30} \div 5 = 15.6$       $15.6 \, _{10} \div 5 = 3.12$

# Problem solving – properties of shapes ❷

**Discover**



a) What is the size of each angle in a regular pentagon?

b) Calculate the sizes of angles a and b.

## Share

**a)**
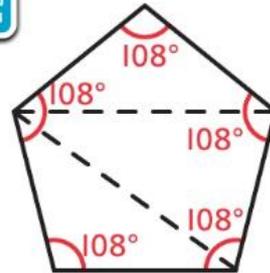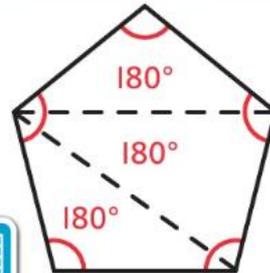
I know that I can split a regular polygon into triangles. The sum of the angles in each triangle is 180°.

There are 3 triangles inside this pentagon.
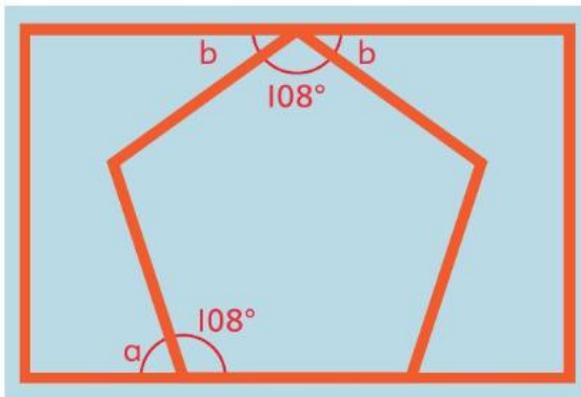
$180° \times 3 = 540°$

The interior angles in the pentagon total 540°.

So each angle is $540° \div 5 = 108°$.

**b)** Label other angles that will help.

I have noticed that angle a and one of the angles in the pentagon are on a straight line.

Angle b is also on a straight line with an angle in the pentagon but there are two angles labelled b.
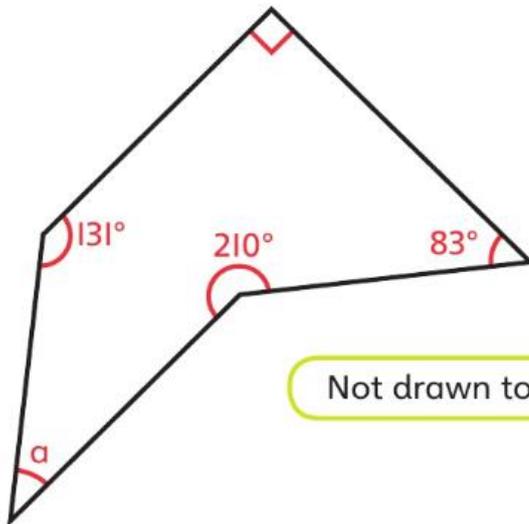
Angle a is 72° because $180° - 108° = 72°$.

Angle b must be $72° \div 2 = 36°$ because there are two angles of the same size.

$36° + 36° + 108° = 180°$

# Think together

**1** Danny and Jamilla now draw a regular hexagon inside a rectangle.

Calculate the sizes of angles x and y.
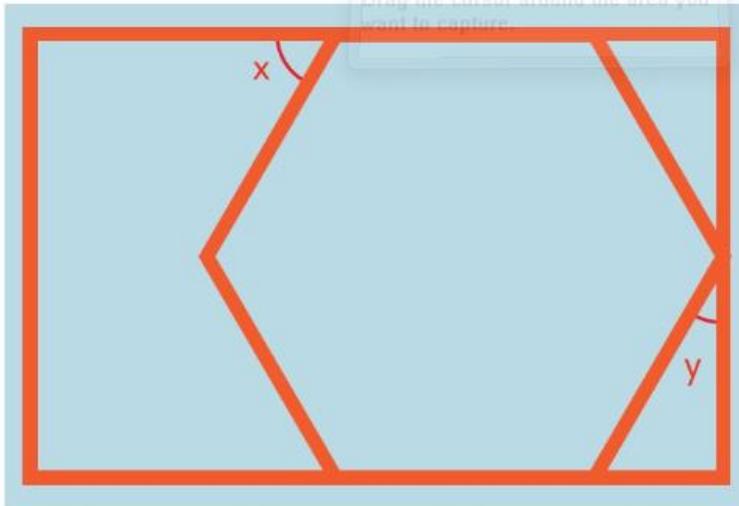


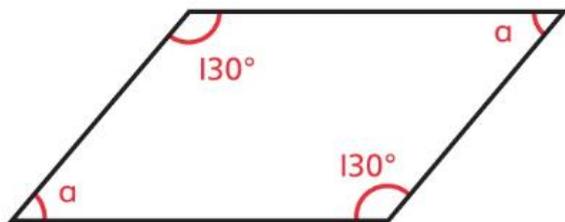**2** What is the size of angle a in this irregular pentagon?



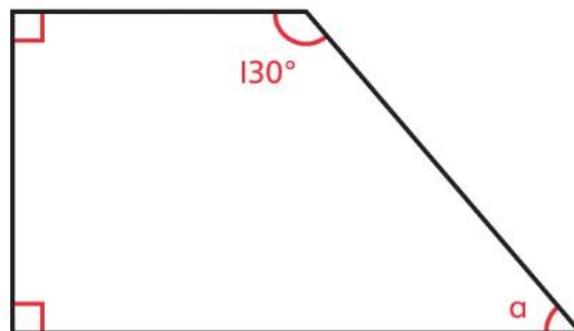I think that the total of the interior angles in any pentagon is 540°.

Not drawn to scale

**3** Here are two quadrilaterals.

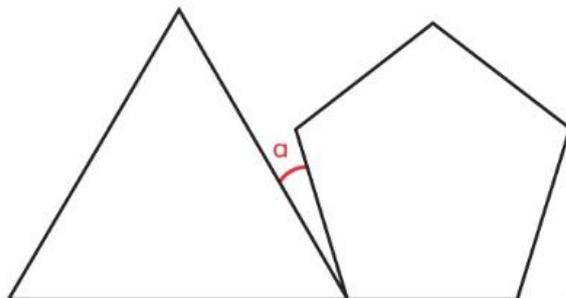Explain how you know that angle a in each quadrilateral is 50°.

130°

130°

a

a

Not drawn to scale

130°

a

**4** This diagram shows a regular pentagon joined to an equilateral triangle.

Work out the size of angle a.

CHALLENGE

a

I can see that the shapes meet on a straight line.

I am going to use what I know about the sizes of angles in an equilateral triangle and a regular pentagon.

Power Maths Book- 84, 85, 86
Plus end of unit check p87

## Weekly Spellings

It's time to take the spelling test! Ask a family member to test you on a random 15 words from *queue* to *yacht.*

## Foundation Topic Work (for the week)

This term we will be learning about electricity in science. Obviously we have not had a chance to learn anything in class, so you will need to do some research at home in order to complete this. Your job is to complete a leaflet on electrical safety at home. You might want to include sections on:
- how electricity works
- why it is useful
- why it is dangerous
- how to keep safe when using it at home

Include pictures and text. Make sure you use the whole leaflet. If you click on the small arrows at the bottom in the corner then it will unfold the pages and give you much more space to write. Remember to hand it in when you want your teacher to look at it. By Friday please.

## Diary

Write a diary of what work and activities you did today. Remember to include your thoughts, feelings and opinions.