

## Year 6 Homework, Spring Term Week 5

### Maths: Super Six



- 1) Round nine point four two to one decimal place.
- 2) What fraction of a pound is twenty-five pence?
- 3) When  $h$  has the value 5, calculate  $6h + 9$
- 4) Work out the volume of a cube of edge 3cm?
- 5) Work out:  $5 \times \frac{5}{6}$
- 6) Calculate the radius of a circle with diameter of 5cm



- 1) Eight cakes cost £4.00. How much do three cakes cost?
- 2) Find the  $n$ th term of this sequence  
1 5 9 13 17 ...
- 3) Increase £40 by 20%
- 4) What is the fraction eight twentieths in its simplest form?
- 5) Divide  $180^\circ$  in a ratio of 4:5:9
- 6) Two angles in a triangle add up to 98 degrees.  
What is the size of the third angle?

Class Homework - Conduct some detailed research about any **one** of the following areas, **The legacy of the Mayan people, Mayan star-gazing and astronomy, The Mayan number system or Mayan punishments and the law.**

Your research should be beautifully presented in the form of your choice (for example a poster, an encyclopaedia page, an informative object, etc.). **Don't** stick this into your homework book. This project (or a photo of it) will be put into your theme book, so this needs to be your very best work. It will be the Thursday before half-term.

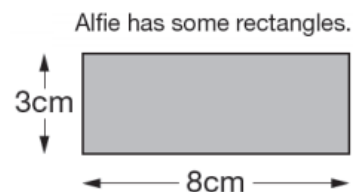
You may use any sources of information you wish including books, the internet, museums, television programmes. If you have any problems accessing appropriate resources then please speak to your teacher a reasonable amount of time **before** the deadline so that they can help.

### Spellings

Support	Core	Extension
advent	autopilot	Affection
invent	autonomy	Affectionately
prevent	handiwork	Effortlessly
press	handsome	Afflict
pressure	session	Affliction
depress	mission	Difficult
phone	illegal	Difficulty
telephone	illiterate	Different
microphone	illegible	Suffered
microlight	transparent	Suffocate
inside	translucent	Please complete 3 sentences using vocabulary from the Words to sharpen your expression list ( <a href="#">click on this link</a> ).
white	transportable	
want	bicycle	
wanted	biceps	
busy	cyclist	
business	tricycle	
	birds	
	first	
	interfere	
	sincere	

### Maths Extension:

One bonus house point available



He makes this shape using three of the rectangles.



What is the **perimeter** of Alfie's shape?