

## 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.

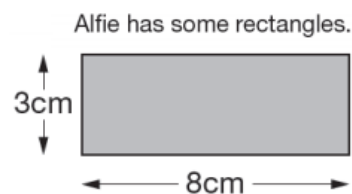
You may use any sources of information you wish including books, the internet, museums, television programmes. If you have any problems accessing appropriate resources then please speak to your teacher a reasonable amount of time **before** the deadline so that they can help.

### Spellings

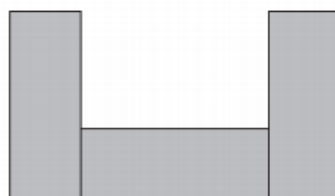
Core	Support
autopilot	advent
autonomy	invent
handiwork	prevent
handsome	press
session	pressure
mission	depress
illegal	phone
illiterate	telephone
illegible	microphone
transparent	microlight
translucent	inside
transportable	white
bicycle	want
biceps	wanted
cyclist	busy
tricycle	business
birds	
first	
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?