Year 6 Homework, Spring Term Week 7

Maths: Super Six

1) What is the difference between 178 and 401.
2) Five cakes cost £2.50. How much do seven cakes cost?
3) Work out the volume of a cube of edge 4m?
4) What is the fraction $^{15}/_{20}$ in its simplest form?
5) Calculate the perimeter of a circle with diameter of 10cm
6) Which is bigger: 0.125 or 0.15?

1) If x = 2, calculate the value of:
   $x^2 - x$
2) When h has the value 4, calculate
   $16 - 3h$
3) Work out: $\frac{3}{5}$ of 7 kg
4) Work out the area of a triangle of base 12m and height 2.4m.
5) Find the nth term of this sequence
   3   8   13   18   23   ...
6) I used 8bags of sand for 12m^2, how much will I need for 15m^2?

Research project: this information will be used to inform their writing over the next term

You can present what you find out in any way you like but there are a few key facts that you will need to ensure you find the answers to!

1) Find out about the timeline of the life of the Titanic – for instance - the date she set sail, where from, when she first got into difficulty, the time she sank.
2) Find out 5 interesting facts about the building of the Titanic. How long was she? What was her top speed? How many decks did she have? etc.
3) Find out about some of the facilities that she had on board. See if you can find out some of the differences between the different classes.
4) **Research one passenger who was on board.** Make sure you know: their name; which class their ticket was; whether or not they survived and anything else you can about them. (This should not be a crew member.)
5) Watch what you can about it but make sure you have checked this with your parents / carers as some of the films are very sad and may contain images that are upsetting. This was a tragedy with a large loss of life so it is a serious topic.

Spellings

Core	Support
hydration	creation
dehydration	education
discos	variation
pianos	correction
handful	terrific
mouthful	comic
interest	picnic
disinterest	artist
interested	novelist
incredible	stockist
credential	keep
creditor	been
mistaken	sheep
overtaken	feet
colourful	believe
favourite	reign
water	
because	
occupy	
occur	

Maths Extension:

One bonus house point available

$$15 \times 100 = \boxed{}$$

$$\boxed{} \times 10 = 1500$$

$$\boxed{} \div 100 = 150$$

$$150 \div 10 = \boxed{}$$