

## Year 6 Homework, Spring Term Week 6

### Maths: Super Six



- 1) One book costs £2.98. How much do 4 books cost?
  - 2) Divide 37.9 by ten.
  - 3) Round 38.86 to one decimal place.
  - 4) Which is bigger: 0.6 or 0.58?
  - 5) What temperature is twenty degrees lower than nine degrees Celsius?
  - 6) Work out:  $5 \times \frac{3}{4}$
- 1) What is the difference between 164 and 220.
  - 2) Work out the area of a triangle of base 8.5m and height 3m.
  - 3) Two angles in a triangle add up to 138 degrees. What is the size of the third angle?
  - 4) Find the nth term of this sequence  
8 12 16 20 24 ...
  - 5) Solve:  $2x + 3 = -1$
  - 6) What fraction of £3.00 is fifty pence?

### 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
silently	hopeful
quickly	wishful
education	beautiful
demonstration	quickly
suspicion	jokingly
suspense	speedily
suspension	active
biology	relative
geology	massive
zoology	narrative
transfer	grow
transaction	window
cyclone	ever
cylinder	every
girl	pressure
which	island
televise	
telecommunication	
appreciate	
immediate	

### Maths Extension:

One bonus house point available

Here are five number cards.

2010A KS2

$$\frac{1}{2}$$

$$1\frac{1}{2}$$

$$2$$

$$2\frac{1}{2}$$

$$3\frac{1}{2}$$

Use **three** of the number cards to make this calculation correct.

$$\left( \boxed{\phantom{00}} + \boxed{\phantom{00}} \right) \times \boxed{\phantom{00}} = 10$$