Just To Keep You Going…

Good morning, Year 5, and welcome to your online virtual classroom!

We'll be updating you with a daily English and maths activity on these pages as well as a few ideas from the wider curriculum to keep you from missing us too much! Be sure to check in again tomorrow for another update.

English

Today we are writing our final paragraph. We need to make sure this paragraph pulls all the loose ends together. Your story needs to end as follows:

As it becomes darker and darker, you realise you have a torch with you but unfortunately as much as you try to switch it on, it just won't work! This adds to your feeling of panic as you desperately want to be able to see what is going on around you- you are sure a creature is following you! Finally the torch springs to life. The last 2 lines of your story should be:

"Oh, it's just a harmless……"

Creature replies, "Harmless? That's what you think!"

Reading

Please remember to read regularly at home.

Recommended book of the week:

'Millions' by Frank Cottrell Boyce .

Remember to Use!

- Powerful adjectives and adverbs.
- Your senses.
- ISPACED to vary sentence openings.

This week's spelling.

Write the first 10 of your statutory spelling words in fancy writing. See how many you can spell correctly!

Just To Keep You Going...

Maths-

Fractions of Amounts- Word Problems

Today we are going to continue to find fractions of amounts. We are going to be focusing on word problems so please remember to use **RUCSAC**:

R- Read the question carefully- underline the important information.

U- Understand the question- what do you have to find out?

C- Choose the correct method of calculation- which method is best for you to use- x , -, +, ÷ ?

S- Solve the problem- show every step and keep your working out neat.

A- Answer the question- read the question again, have you answered it? Make the answer clear.

C- Check your answer- does it make sense? Find a way to check- estimate or use the inverse.

Please see the example word problem below, we have used **RUCSAC** to help us solve the question:

Sue invites 21 friends, including JJ and Toby (obviously), to her birthday party.

2/7 of her friends are under 30 years old.

4/7 of her friends are under 40 years old.

3 of her friends are 50 years old.

Read the question carefully and underline important information.

How many of her friends are under 30 years old?

21 ÷ 7 = 3

3 x 2 = 6

6 friends are under 30 years old.

Choose the correct methods of calculation.

Solve the problem and show every step of working out.

How many of her friends are under 40 years old?

21÷ 7 = 3

3 x 4 = 12

12 friends are under 40 years old.

Use the inverse to check your answer.

6 under 30 years old, 12 under 40 years old, 3 50 year olds.

6 + 12 + 3= 21 in total.

Fluency 5!

$$\begin{array}{r} 14 \\ \times\ 5 \\ \hline \end{array}$$

$115 \div 5$

$\frac{9}{10} - \frac{1}{2}$

Just To Keep You Going…

Maths–

Word Problems- Fractions of Amounts

1. JJ entered a 500-word story competition. She wrote her story over two evenings. On the first evening, she wrote 6/10 and on the second evening she wrote the rest.
   a. How many words did she write on the first evening?
   b. How many words did she write on the second evening and what fraction was this?

2. Toby won £800 in the lottery. He decided to give 5/8 to his family and to spend 3/8 on a biking weekend in Madeira.
   a. How much money did he give to his family?
   b. How much money did he spend on his biking weekend away?

3. Sue watched a film that was 120 minutes long. 5/6 of the way through the film, the doorbell rang. She paused the film to answer the door and it was the postman with a parcel.
   a. How many minutes of the film had she watched before the postman arrived?
   b. How many minutes of the film did she have left to watch and what fraction of the film was this?

4. JJ is baking a wedding cake that needs three different sized tiers. The mixture has a mass of 4000g. She uses 1/2 of the mixture for the bottom tier, 3/8 of the mixture for the middle tier and 1/8 of the mixture for the top tier.
   a. What is the mass of the mixture in the bottom tier?
   b. What is the mass of the mixture in the middle tier?
   c. What is the mass of the mixture in the top tier?

5. At the 2016 Olympics in Rio, a country won 60 medals. 1/2 of the medals were gold, 1/3 of the medals were silver and 1/6 of the medals were bronze.
   a. How many medals were gold?
   b. How many medals were silver?
   c. How many medals were bronze?

6. At the local triathlon, competitors travel a total distance of 20km. They cycle 4/5 of the distance, run 3/20 of the distance and swim 1/20 of the distance.
   a. How far do the competitors cycle?
   b. How far do the competitors run?
   c. How far do the competitors swim?

.

Just To Keep You Going...

Maths–

Word Problems- Fractions of Amounts

7. Lisa ordered five dozen eggs for the school canteen. 1/12 of the eggs were used for a chocolate brownie special. 1/4 of the eggs were used for cooked breakfasts. **From the remainder**, 1/2 of the eggs were used for the meringue in an Eton Mess pudding.
   a. How many eggs were used for the chocolate brownie?
   b. How many eggs were used for the breakfasts?
   c . How many eggs were used for the Eton Mess?
   d. How many eggs were left?

8. Sue has 8.4m of fabric to make an outfit. She makes a bag with 1/7 of the fabric, a skirt with 2/7 of the fabric and a top with the rest.
   a. How much fabric is used for the bag?
   b. How much fabric is used for the skirt?
   c. How much fabric is used for the top and what is this as a fraction of the total fabric?

9. Two families, the Smiths and the Taylors, go to a restaurant for a meal. At the end of the night, when they pay their £177 bill, they decide to split the bill equally between the two families. Mr Smith pays for his family's half of the bill. The Taylor family, however, decide to split their half of the bill between each of their family members, each member paying 1/3 of their family's bill.
   a. How much do the Smiths pay?
   b. How much do each member of the Taylor family pay?

10. There were 126 school children going on a school residential trip. There were 3 coaches, each carrying 1/3 of the children. On coach B, 1/6 of the children had medication with them.
   a. How many children were on each coach?
   b. How many children had medication on coach B?

Just To Keep You Going…

Maths–

Word Problems- Answers

1 a. 300 words
b. 200 words 2/5

2. a. £500
b. £300

3. a. 100 minutes.
b. 20 minutes 20/120 = 2/12 = 1/6

4. a. 2000g
b. 1500g
c. 500g

5. a. 30 medals.
b. 20 medals.
c. 10 medals.

6. a. 16km
b. 3km
c. 1km

7. a. 5 eggs
b. 15 eggs
c. 20 eggs
d. 20 eggs

8. a. 120cm or 1.2m
b. 240cm or 2.4m
c. 480cm or 4.8m. 4/7 of the fabric.

9. a. £88.50
b. £29.50

10. a. 42 children
b. 7 children

Just To Keep You Going…

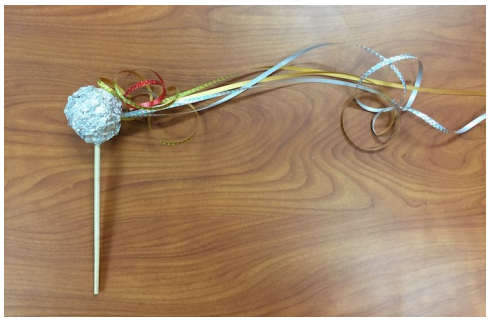
Topic

Today we are going to learn a little more about comets.

First of all, follow this link for a little light reading so you know all the basics.

https://theplanets.org/comets/

Now you're an expert—time to make your own comet!



Follow this link for instructions on how to make your comet

https://spaceplace.nasa.gov/comet-stick/en/

Test your comet model:

1. Have someone be the "Sun" and stand in place with the hairdryer. The hairdryer simulates the energy that forms the comet "tail" in a direction away from the Sun. 2. Aim the hairdryer at the head of the comet as it approaches and then as it moves away from the Sun. You will need to turn in a circle to do this. 3. Have a second person hold the comet model by the stick and walk in an oval (elliptical) orbit around the Sun.

Fitness Challenge

Line Jumps

Face a line and jump forwards and backwards over the line.

- What happens if you use your arms to propel you?
- How many jumps can you do in a minute?

Joke of the Day!