Home Learning	W/C: Monday 15th June	Year: 5

Hi Year 5! We hope you're all well and liking the new theme.

	English	Maths
Monday	Last week, we learned a little about Kizzy and how she lived with her grandma in a gypsy wagon and about the nosey Mrs Cuthbert, complaining that Kizzy should go to school. Do you remember how the other children reacted when Kizzy went to school for the first time? Now, to find out what happens next, sit back and watch Episode 2 'What Shall We Do With Kizzy?'; https://www.youtube.com/watch?v=so_pA4_ZWgQ	**Multiplying Fractions** Look at this table (2X table) of whole numbers multiplied by whole numbers and fractions multiplied by whole numbers: 4 X 2 = 8 3 X 2 = 6 2 X 2 = 4 1 X 2 = 2 ½ X 2 = 1 ¼ X 2 = ½ ⅛ X 2 = ¼ What do you notice about the answers? Can you explain the number pattern? Perhaps you have noticed that ½ **X** 2 = 1 is the same as finding ½ **of** 2. **Task:** Use the grey strips below (if you can print) or make your own. Cut them out carefully and label each strip with a 2 digit number. One has been done for you. Multiply ½ by folding the paper in two. What would the answer be? Then multiply by ¼ by folding the paper in four equal parts. What would the answer be? *Example:* **12** *If this strip was worth 12 then by folding it in half, you would see the answer is 6. It is the same as saying ½ of 12.* *To find a ¼ X 12 you can say ¼ of 12 and fold the strip into 4 equal parts.* *½ X 12 = 6* *¼ X 12 = 3* Extension: Try multiplying by other fractions. Thirds, fifths etc.

Tuesday	Did you learn any new information about Kizzy and the gypsy life in episode 2? What did you find out? (clothing, birthdays, using the toilet, burning the wagon etc) Can you make a list of similarities and differences between Kizzy and the other children at school? Why do you think the other children keep being unkind towards her? Are they being fair? Why/why not? Write a short description from Prudence Cuthbert's point of view, what she thinks of Kizzy and why she doesn't like her.	**Multiplying Fractions** You can multiply fractions and whole numbers by writing the whole number as a fraction. Example: $\frac{1}{3} \times 9 = \frac{1}{3} \times \frac{9}{1} = \frac{9}{3} = 3$ The whole number 9 can be written as a fraction $\frac{9}{1}$ Then you can multiply the denominators together (3X1=3) and the numerators together (1X9=9) which gives you the answer of nine thirds. You can see this is an improper fraction and so can convert it (using your previously learned skills) to a whole number. This video gives lots of examples and we think it is quite clear and helpful. We suggest you watch it a couple of times and have a go (pause and solve) at some of the examples. Watch this video: https://www.youtube.com/watch?v=HtFKu2s1YdI
Wednesday	It seems that Kizzy's life is not going how she wants it to. After the sad passing of her grandmother, the rest of Kizzy's gypsy family arrive; Lumus and Mrs Doe, their twin girls and their son, Boyo. The Smiths and their grown-up son with his wife and baby and old Uncle Jess. They helped themselves to Gran's things and then argued about who should take Kizzy. Write each family's argument against taking Kizzy to live with them. Does their reaction surprise you? Why?	**Multiplying Fractions** Watch the video again if you want to. https://www.youtube.com/watch?v=HtFKu2s1YdI Then try and answer these questions: 1a) ½ X 8 = b) ¼ X 20 = c) ⅟10 X 40 = d) ⅟6 X 24 = e) ⅛ X 48 = f) ⅓ X 54 = g) ⅕ X 90 = h) ⅟12 X 168 = Remember, you can say the fraction X the whole number is basically dividing the whole number

		by the denominator because these fractions have 1 as the numerator or you can convert the whole number to an improper fraction and multiply the numerators together and then the denominators together. Example: ⅕ X **45** = This is the same as dividing 45 by 5 which is 9. You can write it like this: 1 X <u>45</u> = <u>45</u> 5 1 5 and because it is an improper fraction, you have to see how many times the denominator (5) divides into the numerator (45) which is 9 times. So the answer is 9.

Thursday	Many things happened to Kizzy in this episode including losing her home when the family followed gypsy tradition and burned Grandma's wagon. How would Kizzy have felt?
	Draw some mind bubbles, each bubble describing a feeling that Kizzy would have and why she would be feeling like that.
		Multiplying Fractions
		
		You will need a <u>**ruler, pencil and paper**</u> for this activity.
		
		<u>Investigate these questions</u> by multiplying the fraction and the length. Once you have calculated the answer, <u>draw the answer</u> accurately with a ruler.
		
		  a) ½ X 12cm b) ¼ X 28cm c) ⅙ X 42cm
		  d) ⅛ X 72cm e) ¹⁄12 X 108cm f) ⅕ X12.5cm
		  g) ¹⁄10 X 1.2m h) ¹⁄20 X 2.8m

Friday	Kizzy's cousin, Boyo, was very unkind. What did he say would happen to Joe? How did Kizzy react? Mrs Doe reacted badly as well, which led to Kizzy taking Joe and leaving during the very cold, winter's night. Design a 'Missing' poster to find Kizzy or write a front page newspaper recount about Kizzy running away with Joe.	**Practise and Consolidation** We suggest that you use today as a chance to practise and improve your understanding of this week's maths. You can redo any of the activities and choose numbers and fractions of your own to work with. If you have been finding it difficult, we suggest you stick with lower numbers and halves and quarters. If you want to challenge yourselves, then use bigger numbers and smaller fractions. You can play these games to help your understanding:

		https://www.splashlearn.com/multiplying-fractions-games https://www.fractions4kids.com/multiplying-fractions-catapult-game/ http://www.math-play.com/soccer-math-multiplying-fractions-game/multiplying-fractions-soccer-game_html5.html

Enrichment Tasks

- This week we will be finishing off the gypsy wagon that you started making last week.
  Adding the wheels;

  https://www.youtube.com/watch?v=r_8vH0jPNZY

Make sure you watch the video because there's a question at the end that we would like you to investigate…

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