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# Home Learning Pack Year 4

Week 6

01/06/2020

Classroom  
secrets★

KIDS



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# Monday – Add 2 or More Fractions

1. Match the calculations to the correct answers.

A.

$$\frac{4}{8} + \frac{1}{8} + \frac{5}{8}$$

$$\frac{9}{8}$$

B.

$$\frac{6}{8} + \frac{3}{8} + \frac{4}{8} + \frac{2}{8}$$

$$\frac{10}{8}$$

C.

$$\frac{4}{8} + \frac{2}{8} + \frac{3}{8}$$

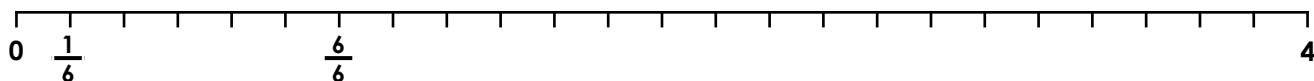
$$\frac{15}{8}$$

D.

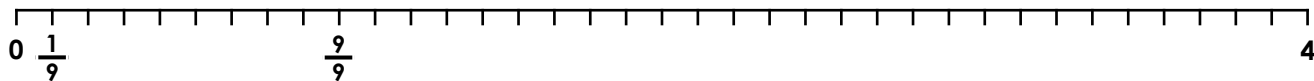
$$\frac{5}{8} + \frac{3}{8} + \frac{6}{8}$$

$$\frac{14}{8}$$

2. Use the number lines to complete the calculations below.



A.  $\frac{5}{6} + \frac{3}{\square} + \frac{7}{\square} + \frac{4}{6} = \frac{\square}{\square}$



B.  $\frac{\square}{\square} + \frac{2}{\square} + \frac{11}{\square} + \frac{6}{\square} = \frac{23}{9}$

3. Find a path through the maze by adding the fractions together to reach the finishing total.

Start →	$\frac{1}{15}$	$\frac{3}{15}$	$\frac{9}{15}$	$\frac{10}{15}$	$\frac{2}{15}$	$\frac{7}{15}$	$\frac{9}{15}$	
	$\frac{4}{15}$	$\frac{3}{15}$	$\frac{11}{15}$	$\frac{3}{15}$	$\frac{2}{15}$	$\frac{2}{15}$	$\frac{17}{15}$	
	$\frac{8}{15}$	$\frac{7}{15}$	$\frac{2}{15}$	$\frac{4}{15}$	$\frac{19}{15}$	$\frac{2}{15}$	$\frac{1}{15}$	
	$\frac{7}{15}$	$\frac{2}{15}$	$\frac{5}{15}$	$\frac{6}{15}$	$\frac{4}{15}$	$\frac{2}{15}$	$\frac{49}{15}$	Finish →

# Monday – Adding Suffixes

1. Complete each word by matching it to the correct suffix.

admi	ation
rel	sion
pollu	ssion
introduc	tion
fabul	cian
conver	ous
jeal	tion
mathemati	ous

2. Look at the sentences below. Underline the suffix or suffixes used in each sentence.

A. The celebration was a joyous occasion.

B. It is dangerous to cross the road if you do not check it is clear.

C. The courageous man was keen to help after the explosion.

D. At school, I learn how to do division in maths.

3. Regan has written some sentences using suffixes. She says she only included a word using the suffixes -tion or -ous in sentence 2. Is she correct? Explain your answer.



Regan

1. You must pay attention to the safety instructions.

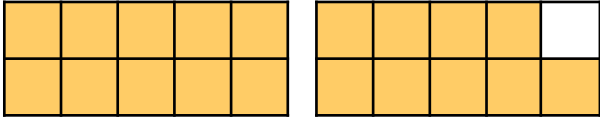
2. The old man drops his glasses as he walks across the road.

3. The famous author used his imagination to write a humorous story.

# Tuesday – Subtract 2 Fractions and Subtract from Whole Amounts

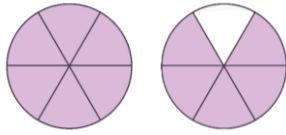
1. Use the images below to help you calculate the subtraction.

$$\frac{19}{10} - \frac{7}{10} = \frac{\square}{\square}$$



2. Match the correct answer to the calculation.

$$\frac{11}{6} - \frac{9}{6} = \frac{\square}{\square}$$

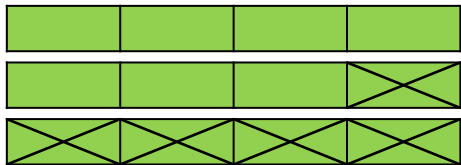


$$\frac{1}{6}$$

$$\frac{6}{6}$$

$$\frac{2}{6}$$

3. Put an 'X' next to the the calculation represented by the bar model.



A.  $3 - \frac{6}{4} = \frac{9}{4}$

B.  $3 - \frac{5}{4} = \frac{7}{4}$

4. Circle the correct calculation(s).

A.  $2 - \frac{6}{7} = 2 \frac{1}{7}$

B.  $4 - \frac{5}{8} = 3 \frac{3}{8}$

C.  $\frac{18}{6} - \frac{5}{6} = \frac{13}{6}$

5. Which calculation below is the odd one out? Explain your reasoning.

A.  $6 - \frac{7}{8}$

B.  $6 - \frac{15}{8}$

C.  $\frac{40}{8} - \frac{7}{8}$

6. Use the digit cards to complete this calculation. You can use each card more than once.

9

6

4

13

$$\frac{\square}{\square} - \frac{\square}{\square} = \frac{\square}{\square}$$

7. Arfan has an improper fraction. He subtracts it from a whole number and gets a fraction less than 1 as his answer.

Daisy says,



I think Arfan's calculation is  $\frac{36}{9} - \frac{27}{9}$ .

Do you agree with Daisy? Explain your answer.

## Tuesday – Using Brackets to Indicate Parenthesis

1. Match the underlined noun in each sentence to its parenthesis.

A. The rain had caused the building to flood.

1. (who loves a tidy house)

B. The twins' party was a huge success.

2. (which had been falling for over a week)

C. My mum is always telling me to clean my bedroom.

3. (which was to celebrate their birthday)

2. Each of these sentences only has one bracket. Put a cross in the box where the missing bracket should go.



A. The climber (who was getting tired safely made his way to the top of the tall mountain.



B. Hasin who had been feeling unwell for a while) decided to visit the doctor.

3. Rewrite the sentence and include brackets to show parenthesis.

The rocket which had suffered damage to the engine during take off was not prepared to land safely.

## Wednesday – Fractions of a Quantity

Use the digit cards to complete the comparison statements. Each digit card can only be used once but two digit cards can be placed in one empty box.

$$\frac{\square}{\square} \text{ of } 18 > \frac{4}{\square} \text{ of } \square$$

$$\frac{6}{\square} \text{ of } \square = \frac{\square}{\square} \text{ of } 48$$

- 1
2
2
3
4
4
5
6
8
8

Is there more than one way to solve the problem?

$$\frac{\square}{\square} \text{ of } 18 > \frac{4}{\square} \text{ of } \square$$

$$\frac{6}{\square} \text{ of } \square = \frac{\square}{\square} \text{ of } 48$$

$$\frac{\square}{\square} \text{ of } 18 > \frac{4}{\square} \text{ of } \square$$

$$\frac{6}{\square} \text{ of } \square = \frac{\square}{\square} \text{ of } 48$$

## Wednesday – Apostrophes for Contraction

1. Put an 'X' next to the sentences below that use apostrophes for contraction correctly.

A. Heres' that glass of water you asked for.

B. Here's that glass of water you asked for.

C. Mum and Dad's new car's are just marvellous.

D. Who'd have thought blotches of ink would not come out of those trousers?

2. Underline the apostrophes for contraction in each of the sentences below.

A. It's been ages since the last bus came along.

B. Stu kicked the girl's football away because he didn't want her to play.

C. The children's pencils weren't sharp enough to write with.

D. My brother Alfie wasn't happy because he'd lost his favourite teddy.

3. Jordan has been changing the words below into contractions. Do you agree with Jordan? Explain your answer.



Jordan

	he will – he'll	she had – sh'ed
	I would – I'd	you are – you're
	he shall – he'll	they are – the'yr
	I have – I'v	she would – she'd

## Thursday – Calculate Quantities

Complete the fraction crossword below using the clue to help you find the starting number.

$$\frac{3}{7} \text{ of } \boxed{1.} = \boxed{2.} = \frac{5}{9} \text{ of } \boxed{3.}$$
$$=$$
$$\frac{3}{8}$$

of

$$\frac{8}{14} \text{ of } \boxed{4.} = \boxed{5.} = \frac{4}{11} \text{ of } \boxed{6.}$$

Box number 1 is a multiple of 5.

Is there more than one possible solution to the crossword?

$$\frac{3}{7} \text{ of } \boxed{1.} = \boxed{2.} = \frac{5}{9} \text{ of } \boxed{3.}$$
$$=$$
$$\frac{3}{8}$$

of

$$\frac{8}{14} \text{ of } \boxed{4.} = \boxed{5.} = \frac{4}{11} \text{ of } \boxed{6.}$$

$$\frac{3}{7} \text{ of } \boxed{1.} = \boxed{2.} = \frac{5}{9} \text{ of } \boxed{3.}$$
$$=$$
$$\frac{3}{8}$$

of

$$\frac{8}{14} \text{ of } \boxed{4.} = \boxed{5.} = \frac{4}{11} \text{ of } \boxed{6.}$$



## Thursday – Apostrophes for Plural Possession

1. Underline the words in the sentences below that show the use of an apostrophe for plural possession.

Yesterday, the girls' amazing cricketing skills meant that they comfortably won their match. Their opponents' batting was very poor and the advice from their coaches didn't seem to help them a great deal.

2. Put an X next to the sentence(s) that do not use an apostrophe for plural possession correctly.

A. The hors'es hay is kept dry for them to eat during the winter.

B. The ladies' doubles championship starts today and is on TV.

C. In the swimming pool, the children's shrieks of glee are very loud.

3. Jamila says,



The apostrophe in the sentence below should be after the 's' in 'peoples'.

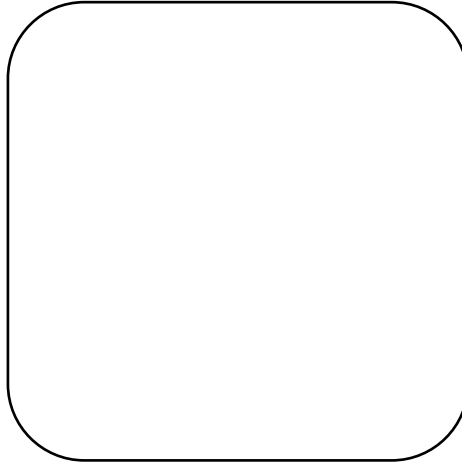
The peoples reaction to the TV programme was truly shocking.

Is Jamila correct? Explain your answer.

# Thursday – Creative Writing Challenge

## A New Toy

You have been given the challenge of designing a brand new toy. Draw a picture of your toy and label it. You can then write a description advertising your brand new design. Your toy must be for children aged 5-9 years old. Once finished, why not create a poster advertising your new toy?



Things to include in your description:

- How much does it cost?
- What does it do?
- What is it made of?
- Why should someone buy it?
- Where can you buy it?
- Who can use it?

# Friday – Vibrant Summer Comprehension

These questions are based upon the picture Vibrant Summer on page 14. Look carefully at the image and use your inference skills to answer the questions below.

1. Identify ONE question you would like to ask about this scene.

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2. How does this photo make you feel? Why?

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3. How do you think the woman feeling? Why do you think that?

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4. Write two facts and two opinions about this image.

## Facts

1. 

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2. 

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## Opinions

1. 

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2. 

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# Friday – Vibrant Summer Comprehension

5. What is happening in the picture?

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6. List 5 different things you can see in this photo – be descriptive!

1. \_\_\_\_\_  
\_\_\_\_\_

2. \_\_\_\_\_  
\_\_\_\_\_

3. \_\_\_\_\_  
\_\_\_\_\_

4. \_\_\_\_\_  
\_\_\_\_\_

5. \_\_\_\_\_  
\_\_\_\_\_

7. Which word do you think best describes this scene and why?

vibrant

calm

busy

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8. Would you show this image to someone else? Why/why not?

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# Friday – Vibrant Summer Comprehension

9. Where might this picture have been taken?

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10. Why might this woman be taking photos? Think of as many different plausible reasons as possible.

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## Friday – Vibrant Summer Comprehension



# How to be a Raindrop – Comprehension

These questions are based upon the text How to be a Raindrop on pages 18 to 19. Read the text and use this to help you answer the questions below.

1. How many processes are there in the water cycle?

There are \_\_\_\_\_ processes in the water cycle.

2. What are these processes called? Find and copy the words from the text.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

3. Write each word listed below next to the correct definition.

osmosis

condensation

destroyed

vital

precipitation

merely

1. \_\_\_\_\_ plants taking up water from the soil.

2. \_\_\_\_\_ absolutely necessary or essential

3. \_\_\_\_\_ end the existence of something by attacking or damaging it

4. \_\_\_\_\_ rainfall

5. \_\_\_\_\_ only, just

6. \_\_\_\_\_ water which collects as droplets on a cold surface

4. Why is water vital?

\_\_\_\_\_

\_\_\_\_\_

# How to be a Raindrop – Comprehension

5. Why do you think it asks you to think about how old the water from your tap is?  
Choose 2 reasons.

To stop you from drinking out of date water.

To make you realise how long water has been on Earth.

To make you see the importance of filtering the water because it is old and dirty.

To help you to see its importance to life.

6. What 4 names can be given to precipitation as it falls to the ground?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

7. Why do you think instruction 5 asks you to skip to step 7?

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8. What 3 forms can water exist in?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

9. Why do you think water that lands on a leaf has to go back to step 2?

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# How to be a Raindrop – Comprehension

10. Underline the words in the sentences below that are adverbs.

6. If you land on the leaf of a plant or a tree, wait patiently to be evaporated and start the process again from step 2.
7. Slowly make your way into a stream or a river.

11. Why do you think that only 1% of the water on Earth is for us to drink?

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12. What percentage of a human is made up of water? What percentage of the Earth's surface is covered by water?

\_\_\_\_\_ % of a human is made up of water.

\_\_\_\_\_ % of the Earth's surface is covered by water.

# How to be a Raindrop – Comprehension

## How to be a Raindrop

Water is vital for all living things. Animals drink water while plants take water up through their roots. This process is called osmosis. Water never leaves the Earth, it merely moves around the water cycle. The water cycle is the journey of water from oceans – to clouds – to streams – to rivers and back to the ocean again.

Next time you have a glass of water, take a good look at it. How old do you think it is? The water in your glass may have fallen from the sky five days ago. However, the water itself has been around for as long as the Earth has.

Water is found in many places. It is never created or destroyed; it simply travels through the water cycle being recycled each time. The water that we use every day has been around for millions of years.

Today you will imagine that you are a raindrop and take a journey made up of six possible steps: condensation, infiltration, runoff, evaporation, precipitation and transpiration.

### Equipment

- water (from oceans, rivers and streams)
- sun
- trees and plants
- drains
- earth and everything on it

### Method

1. First, float comfortably in the salty sea waiting for the warm rays of the sun to evaporate you and turn you into water vapour. This is called evaporation.
2. Rise, slowly, into the sky and wait for some cool air to reach you and turn you into a cloud. This process is called condensation.
3. Next, float high above the ground.
4. When you become too heavy as a cloud, fall back to the ground as precipitation. Depending on the temperature, you could now be rain, sleet, hail or snow.
5. After landing, seep into the ground (infiltration). If you runoff into a drain, move to step 7.
6. If you land on the leaf of a plant or a tree, wait patiently to be evaporated and start the process again from step 2.

## How to be a Raindrop – Comprehension

7. Slowly make your way into a stream or a river.
8. Finally return to the ocean where you began your journey.
9. Repeat the process again.

### Top Tips and Interesting Facts

**Be prepared! Not all water falls into streams, rivers or oceans. Some water can be found in polar ice caps.**

**Humans are made up of about 75% water.**

**Water can exist in three forms: Liquid (water), solid (ice) and gas (water vapour).**

**97% of water is in the oceans (salty water). 2% is in the ice caps. Only 1% of water is for us to drink. Wow!**

**About 70% of the Earth's surface is covered in water.**