



## HOME LEARNING

YEAR 5

22/06/2020

### Morning Message

Happy Monday Year 5,

We hope you all had an enjoyable and restful weekend and that you are excited about this week's learning. In maths this week we will be finished off the unit on decimals and then we will be having an end of unit test on Thursday. For English this week we will be writing information leaflets on keeping fit.

**Friday's anagram**

Conversation

**Today's anagram**

Ality

Have a lovely day,  
Ms Gayer and Mr McCann

### This week's Pictures



## Writing

This week we will be writing information leaflets on keeping fit. Maybe we could give these leaflets to our family members to inspire them to keep fit and healthy.

Our leaflets will have two purposes:

- to persuade the reader to undertake exercise
- to inform the reader about different types of exercise.

Here is an example of such a leaflet about cooking healthy food. It tells the reader *why* to cook healthy food and gives information about different types.

### The Wonderful World of Wholesome, Healthy food

The year is 2020 ladies and gentlemen. We have known for a very very long time that it is extremely important to eat healthy foods. Yet many of us are still munching happily away on cakes, biscuits and crisps. Why is this? Probably because people think healthy food is boring: it's not! Possibly because people think healthy food is difficult: it's not! Potentially because people think that healthy food is expensive: it doesn't have to be! Healthy foods are good for our hearts, brains and muscles. They give us energy, help us to sleep and make us grow stronger. This leaflet will give to lots of information about a variety of healthy foods and how you can introduce them to your life.

**Note: I have used an informal style to engage the reader and build a connection with the reader in this paragraph**

### Proteins

Proteins are an essential nutrient for humans. They are necessary for your body to build muscle and can also serve as energy. Containing essential amino acids, they can be found in a range of different foods such as meat, dairy, fish and a variety of plant sources. More and more research is indicating that a diet high in protein and lower in carbohydrates keeps the human body healthier and decreases the chance of diabetes.

**Note: I have used scientific/technical vocabulary and a more formal style to sound knowledgeable in this paragraph**

So what's stopping you from introducing more protein in your life!? For all the meat-eaters out there, chicken and turkey dinners are healthy, protein-packed bundles of loveliness. What about you vegetarians and vegans? Pulses, cereals, nuts and vegetables are packed with the stuff so get munching!

Here is a recipe for a protein-high vegetarian lunch....

**Note: I have reverted to the more informal style here to persuade the reader.**

### Monday LO: To plan an information leaflet

Today, we will be deciding on the sections we wish to include in our leaflet.

Decide on 3 or 4 different sections. Here are some potential ideas: strength exercises, cardio exercises, flexibility exercises, team sports, individual sports. We are sure you can think of even more. Your job today is to brainstorm ideas/vocabulary you might use for each of your sections.

Here is an example of some words I might brainstorm for a section on 'Exercise you can do alone'

### Exercise you can do alone

keepy uppies – fantastic fun, balance, co-ordination, control

press-ups – triceps, biceps, power, upper-body strength

skipping – aerobic, heart pumping, blood flowing, quadriceps,

**Task: choose 3 exercises and brainstorm vocabulary for each under a heading**

## Reading

### Day 1

This week your reading extract comes from *'You've Got a Friend'* by Judi Curtin.

**Day 1** You must read the extract out loud to a family member practising using volume, tone and expression. As you read, underline or make notes of any words that you do not understand.

My heart is thumping so fast, I feel like it wants to jump right out of my chest. My shoulder muscles are aching and my hands burn as they pull the oars. Behind me, I can hear Jim counting the strokes – two hundred and ten, two hundred and eleven ... As I lean backwards on each stroke, I can sense my ponytail brushing the floor of the boat – swish, swish, swish. The boat is rocking like crazy, and I wonder if I'm going to be thrown out. A sudden rush of ice-cold water hits me in the face, and drips down my cheeks, but I don't even blink. I have to keep going, no matter what. A small silvery fish flies past my face, just missing my nose. I want to give up, but I can hear Beth's voice from what feels like a million miles away.

'Keep going, Molly. You can do it. Don't stop now – you can't let the team down. We're almost there.'

It seems like a million years have passed before I hear the most beautiful sound in the world – the bell announcing the end of the race. I let go of the oars, and before I have time to check my hands for blisters, Beth is hugging me.

'We did it!' she shrieks. 'We did it!'

My legs are a bit wobbly as I climb out of the boat so I quickly sit down on the grass next to the washing line. Mum hands me a glass of water.

'Well done, darling,' she says. 'All you needed were three hundred strokes in your ten minutes, and you even went over that! You and Beth have beaten Jim and me in the Saturday challenge – again!'

I don't know what it feels like to row the whole way across the Atlantic, but I wonder if it feels a bit like this?

Even though I was rowing a battered old dinghy that Jim found in a skip somewhere.

Even though the boat was on the grass, and Mum had been rocking it from side to side while I rowed.

Even though the spray of water came from the garden hose that Jim was holding.

Even though the only fish in the garden came from an old fishing game Beth had found in the shed.

Even though the finishing bell was a saucepan and a wooden spoon.

Beth was dancing around the garden, singing 'We are the champions.' Mum and Jim were laughing like little kids. I lay back on the grass and tried to catch my breath.

My best friend Beth and her dad moved in with Mum and me ages ago. At first that was really weird, but now I was getting used to it, and sometimes I can hardly remember a time when they didn't live with us. Like all dads, Jim can be a bit annoying sometimes, but he comes up with the craziest and best ideas. The Saturday challenge was in its third week, and it was always Mum and Jim against Beth and me. The rules were a bit vague, but no one cared – mostly we were all too busy laughing for anything else to matter.

The first week, Jim set up a very complicated obstacle course in the garden, where you had to run the first half in odd wellies, and the second half with a glass of water in your pocket. The second week, we all had to pretend to be horses, jumping over bamboo canes propped up on kitchen chairs, with extra points for the best horsey sound effects. These things might sound a bit lame and stupid, but as long as you know there's no one planning to make a video and post it on YouTube, they are really, really fun.

After a while, everyone calmed down.

'That was so brilliant, Jim,' I said. 'I think that was the best challenge ever.'

'Thanks, Molly,' he said. 'I do my best – and wait till you see what I've got planned for next week.'

'Tell us, please, Dad!' said Beth. 'I don't think I can wait a whole week to find out.'

'Sorry, sweetie-pie,' he said as he put his arm around her. 'You're just going to have to be patient. Now let's go inside, I think it's time we ordered that takeaway you've been promised. How about we get a big pot of Irish stew?'

# Maths

## Lesson 13 – Multiplying decimals

In this lesson you will be using our understanding of place value to help us become more confident when multiplying decimals by 10,100,1,000.

It is important to remember that you cannot just 'add a zero' when multiplying by 10. For example,

$$3 \times 10 = 3.0$$

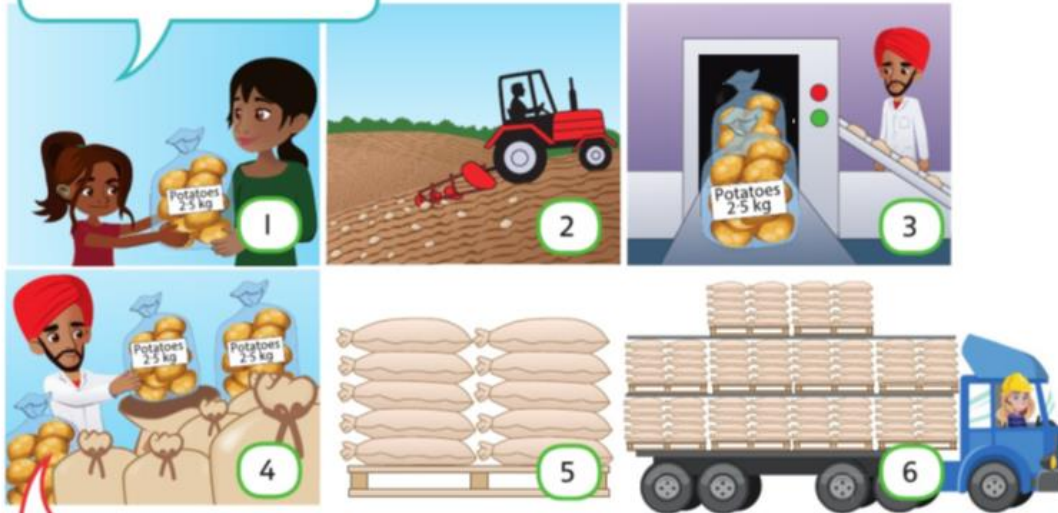
You can see that 3.0 has not gotten 10 times bigger and therefore has not been multiplied by 10.

**Key vocabulary:** multiply, place value, weight, digit, column, kilogram (kg), mass

Remember! please use the place value chart below to help you when multiplying decimals by 10, 100 or 1,000

Thousands	Hundreds	Tens	Units	Decimal Point	Tenths	Hundredths	Thousandths	Ten- Thousandths	Hundred thousandths
				.					
				.					

I wonder where these potatoes came from ...

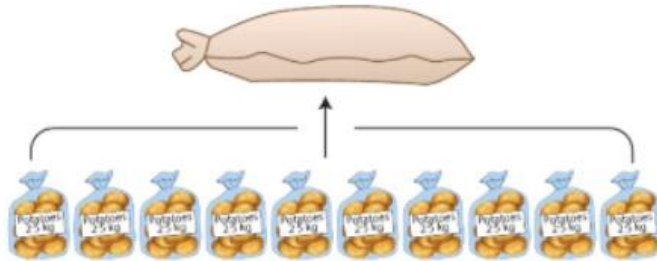


10 bags go  
in each sack.

- 1** a) How many 2.5 kg bags of potatoes are on a pallet?  
What is the total mass of all the bags on one pallet?
- b) What is the mass of all the potatoes on the lorry?

## Share

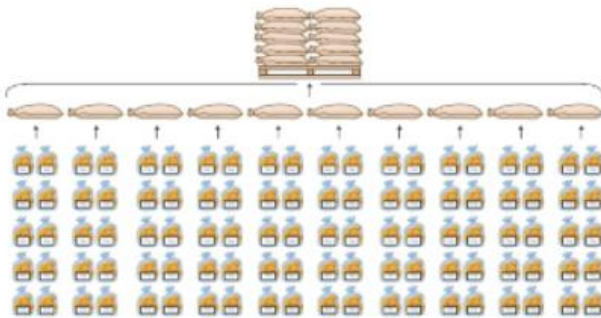
- a) A bag contains 2.5 kg of potatoes. There are 10 bags in a sack.



T	O	.	Tth	Hth
	2	.	5	
2	5	.		



$2.5 \times 10 = 25$  kg. The mass of each sack is 25 kg.



There are 10 sacks of potatoes on each pallet.

There are 10 bags in each sack.

$$10 \times 10 = 100$$

There are 100 2.5 kg bags on a pallet.

We need to put a 0 to keep the place value of the number.

The total mass of all the bags on one pallet is 250 kg.

H	T	O	.	Tth
		2	.	5
2	5	0	.	



I multiplied by 10 as there are 10 bags in a sack.  
I then multiplied by 10 again as there are 10 sacks on a pallet. This is the same as multiplying by 100.







b) There are 10 pallets on the lorry.



Th	H	T	O	•	Tth
			2	•	5
		2	5	•	
	2	5	0	•	
2	5	0	0	•	

$$2.5 \times 10 = 25$$

$$2.5 \times 100 = 250$$

$$2.5 \times 1,000 = 2,500$$

When multiplying by 100, the digits move two places to the left. When multiplying by 1,000, the digits move three places to the left.

Multiplying by 1,000 is the same as multiplying by 10, then 10 and then 10 again.

So  $2.5 \times 1,000$  is the same as  $2.5 \times 10 \times 10 \times 10 = 2,500$  kg. The mass of all the potatoes on the lorry is 2,500 kg.



## Think together

1 Draw a place value grid and find the answers.

Th	H	T	O	•	Tth
			3	•	7
				•	
				•	
				•	

$$3.7 \times 10 = \square$$

$$3.7 \times 100 = \square$$

$$3.7 \times 1,000 = \square$$

2 Use a place value grid to help you complete the multiplications.

Th	H	T	O	•	Tth	Hth	Thth
				•			
				•			
				•			

a)  $1.72 \times 10 = \square$

$1.72 \times 100 = \square$

$1.72 \times 1,000 = \square$

b)  $4.13 \times 1,000 = \square$

$0.413 \times 1,000 = \square$

$0.041 \times 1,000 = \square$

c)  $39.3 \times 100 = \square$

$3.93 \times 100 = \square$

$0.393 \times 100 = \square$

3 Can you find an efficient method to work out the answers?

Explain your method.

$0.12 \times 100$

$7.35 \times 100$

$16.9 \times 100$

$0.384 \times 100$

$0.12 \times 1,000$

$7.35 \times 1,000$

$16.9 \times 1,000$

$0.384 \times 1,000$



I can work out how many place value columns my digits need to move.

I notice that when I multiply by 100, I always move the digits the same number of places.



Now complete pages 42–44 in your power maths books.

Thursday: Go on the Mathletics website to complete the tasks that have been set.

<https://www.mathletics.com/uk/>

## Weekly Spellings

The rule for this week is words with **'silent' letters**. Please practise learning the words every day by putting the words in sentences and get an adult to test you on Friday.

e.g. Attracted to the fluorescent light, a swam of bugs congregated around the porch.

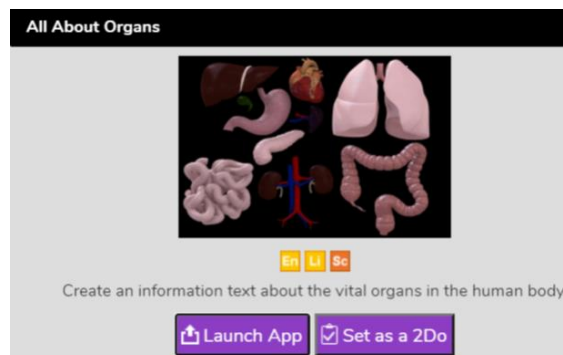
doubt  
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thistle  
knowledge  
architect  
fluorescent  
fascinate  
foreign  
conscience  
abscess  
wrought  
mortgage  
catacomb  
resuscitate  
obscene  
succumb  
choreograph  
benign  
mechanic

## Foundation Work (for the week)

**Science– due Friday at 12pm**

This week we are going to be doing a science topic. We thought it would be interesting for you to learn about the different roles organs play in our bodies!

Your task is to research all about organs and using the tools on purple mash, create an information texta bout the vital organs in the human body. For example: The pancreas is an organ located in the abdomen. It plays an essential role in converting the food we eat into fuel for the body's cells. It has two main functions: an exocrine function that helps in digestion and an endocrine function that regulates blood sugar.



## Diary

Write a diary of what work and activities you did today. Remember to include your emotions and opinions.

