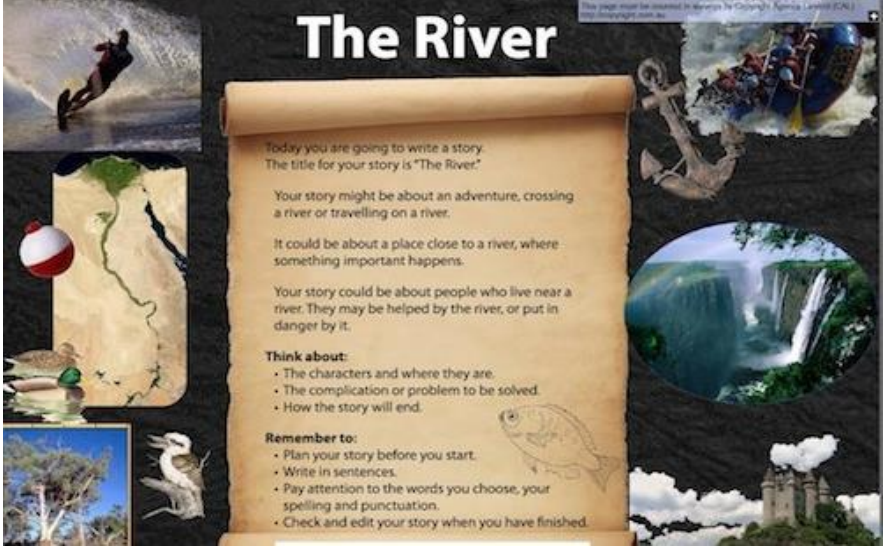
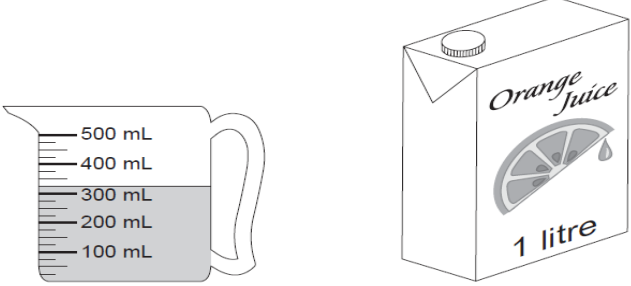


## Year 6 - Booklet 14

**Monday**

Spelling	<p>Write your spelling words in your book and discuss the meaning of the words with someone.</p> <p><i>Focus: Revision of Plurals</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; color: red;">Red</th> <th style="text-align: center; color: orange;">Orange</th> <th style="text-align: center; color: green;">Green</th> </tr> </thead> <tbody> <tr> <td>leaves</td> <td>thieves</td> <td>hooves</td> </tr> <tr> <td>knives</td> <td>calves</td> <td>calves</td> </tr> <tr> <td>mangoes</td> <td>tomatoes</td> <td>shelves</td> </tr> <tr> <td>potatoes</td> <td>dingoes</td> <td>echoes</td> </tr> <tr> <td>libraries</td> <td>photos</td> <td>mosquitoes</td> </tr> <tr> <td>memories</td> <td>videos</td> <td>potatoes</td> </tr> <tr> <td></td> <td></td> <td>libraries</td> </tr> <tr> <td></td> <td></td> <td>journeys</td> </tr> <tr> <td></td> <td></td> <td>avocados</td> </tr> </tbody> </table>	Red	Orange	Green	leaves	thieves	hooves	knives	calves	calves	mangoes	tomatoes	shelves	potatoes	dingoes	echoes	libraries	photos	mosquitoes	memories	videos	potatoes			libraries			journeys			avocados
Red	Orange	Green																													
leaves	thieves	hooves																													
knives	calves	calves																													
mangoes	tomatoes	shelves																													
potatoes	dingoes	echoes																													
libraries	photos	mosquitoes																													
memories	videos	potatoes																													
		libraries																													
		journeys																													
		avocados																													
Sentence of the day	<p><b>Learning Intention:</b> We are learning to use correct punctuation when quoting direct speech.</p> <p>There are three things you need to remember:</p> <ol style="list-style-type: none"> <li>1. Open and close the quotation with speech marks ( " " ).</li> <li>2. End the speaking with: Comma, Question mark or an Exclamation mark</li> <li>3. Give information about who said it and how it was said.</li> <li>4.</li> </ol> <p>Example: "You will need to open your book to the next page," explained Miss Attewell.</p> <p>Edit the sentence below</p> <ul style="list-style-type: none"> <li>• Zachary, can you come and help me send an email shouted Grandma</li> </ul>																														
Writing	<p>Set a timer for 50 minutes or use the clock.</p> <p>Write a narrative based on the following prompt.</p>																														

	 <p style="text-align: center;"><b>The River</b></p> <p>Today you are going to write a story. The title for your story is "The River."</p> <p>Your story might be about an adventure, crossing a river or travelling on a river.</p> <p>It could be about a place close to a river, where something important happens.</p> <p>Your story could be about people who live near a river. They may be helped by the river, or put in danger by it.</p> <p><b>Think about:</b></p> <ul style="list-style-type: none"> <li>• The characters and where they are.</li> <li>• The complication or problem to be solved.</li> <li>• How the story will end.</li> </ul> <p><b>Remember to:</b></p> <ul style="list-style-type: none"> <li>• Plan your story before you start.</li> <li>• Write in sentences.</li> <li>• Pay attention to the words you choose, your spelling and punctuation.</li> <li>• Check and edit your story when you have finished.</li> </ul>
Reading	<p>Remember your Seven Steps to Writing Success.</p> <p>Read for at least 20 mins a book of your choice.</p> <p>After reading:</p> <p>Complete one of the following sentences about what you have just read:</p> <p><b>Question:</b> "I wonder if..." or "what if..."</p> <p><b>Connection:</b> "This reminds me of..."</p> <p><b>Reaction:</b> "WOW, I didn't know that..."</p>
Problem Solving (show your working out)	 <p>The amount of juice left in the carton is closest to</p>
Maths	<p>Write the heading "Revising 3-Digit Division" in your workbook and complete the Math Task page at the back of the booklet.</p>
Other	<p>Go outside and stretch. Start with your toes, then ankles, calf muscle, making your way up your body one muscle at a time. (Stretch lightly and slowly)</p> <p style="text-align: center;">OR</p> <p>Create a Mandala using a twenty cent coin. Start in the middle of your page. Trace the coin, make your way around the first circle, all the way out to the side of your page. Colour it in.</p>

**Tuesday**

Spelling	<p>Write an interesting sentence for each of your spelling words. Underline the spelling word in each sentence.</p>
----------	---

Sentence of the day	<p><b>Learning Intention:</b> We are learning to use correct punctuation when quoting direct speech.</p> <p>There are three things you need to remember:</p> <ol style="list-style-type: none"> <li>1. Open and close the quotation with speech marks ( " " ).</li> <li>2. End the speaking with: Comma, Question mark or an Exclamation mark</li> <li>3. Give information about who said it and how it was said.</li> </ol> <p>Example: "You will need to open your book to the next page," explained Miss Attewell.</p> <p>Edit the sentence below</p> <ul style="list-style-type: none"> <li>• Well done to all those who won an award today exclaimed Mr Hughes</li> </ul>
Writing	<p>Reread your writing from yesterday.</p> <p>If you did not get to finish your writing in the 50 minute time, see if you can finish it now (hopefully you created a planning page so you know what to write next!).</p> <p>Edit your work so it makes sense and has correct punctuation.</p>
Reading	Read for at least 20 mins a book of your choice
Comprehension	Read the information about Louis Pasteur. Complete the Tuesday comprehension questions in your workbook.
Problem Solving (show your working out)	<p>Lin is packing 34 cakes into boxes.</p> <p>Each full box holds 5 cakes.</p> <p>What is the smallest number of boxes Lin needs to pack all the cakes?</p>
Maths	Write the heading "4-Digit Division" in your workbook and complete the Math Task page at the back of the booklet.
Other	<p>Draw some simple animals. Go outside using a pencil or crayon. Find some interesting surfaces to rub a new fur coat for your animal. Maybe the driveway for a cow.</p> <p>Or</p> <p>Learn how to juggle a soccer ball. How long can you keep it up?</p>

## Wednesday

Spelling	Write your spelling words in colourful bubble writing.
Sentence of the day	<p><b>Learning Intention:</b> We are learning to use correct punctuation when quoting direct speech.</p> <p>There are three things you need to remember:</p> <ol style="list-style-type: none"> <li>1. Open and close the quotation with speech marks ( " " ).</li> <li>2. End the speaking with: Comma, Question mark or an Exclamation mark</li> <li>3. Give information about who said it and how it was said.</li> </ol>

	<p>Example: "You will need to open your book to the next page," explained Miss Attewell.</p> <p>Edit the sentence below</p> <p>Great catch Monson shouted Mr Bunyan</p>
Writing	<p><b>Publishing</b> - in your writing book publish a good copy of your story. <b>Only IF you have access to a computer</b> publish your good copy using either Word or Google Docs and send it as an attachment to your teacher.</p> <p>You will be given more time to finish your publishing tomorrow so you don't have to do it all today!</p>
Comprehension	Complete the Wednesday questions on Louis Pasteur
Reading	<p>Read for at least 20 mins a book of your choice.</p> <p>After reading:</p> <p>Complete one of the following sentences about what you have just read:</p> <p><b>Question:</b> "I wonder if..." or "what if..."</p> <p><b>Connection:</b> "This reminds me of..."</p> <p><b>Opinion:</b> "I think..."</p> <p><b>Reaction:</b> "WOW, I didn't know that..."</p>
Problem Solving (show your working out)	How many hours would you sleep in a lifetime?
Maths	Write the heading "Division with Fractional Remainders" in your workbook and complete the Math Task page at the back of the booklet.
Other	<p>Create an abstract painting. Eg. if you're painting a portrait. Make the eyes triangles, put the nose near an ear. Use bright colours.</p> <p>OR</p> <p>Learn how to cook a Stir Fry.</p>

## Thursday

Spelling	Break your spelling words into sounds and syllables.
Sentence of the day	<p><b>Learning Intention:</b> We are learning to use correct punctuation when quoting direct speech.</p> <p>There are three things you need to remember:</p> <ol style="list-style-type: none"> <li>1. Open and close the quotation with speech marks ( " " ).</li> <li>2. End the speaking with: Comma, Question mark or an Exclamation mark</li> </ol>

	<p>3. Give information about who said it and how it was said.          Example: "You will need to open your book to the next page," explained Miss Attewell.          Write a sentence with direct speech for this scenario</p>	
Writing	<p>Finish your publishing.</p> <p>OPTIONAL: draw a picture to go along with your story or (if using a computer) draw one/cut and paste one from the internet.</p>	
Reading	<p>Read for at least 20 mins a book of your choice</p>	
Comprehension	<p>Complete the Wednesday questions on Louis Pasteur</p>	
Problem Solving (show your working out)	<p>Tony is paid the same amount for each car he washes.          He gets paid \$15 for washing 3 cars.          How many cars does he need to wash to get paid \$45?</p>	
Maths	<p>Write the heading "Dividing 5-Digit Numbers" in your workbook and complete the Math Task page at the back of the booklet.</p>	
Other	<p>Go outside, relax and create a sound map. Draw your house in the middle of the page. When you hear a noise, write it down in the location you heard it coming from.</p> <p style="text-align: center;">OR</p> <p>Go for a walk. (Remember Social Distancing laws.)</p>	

## Friday

Spelling	<p>Get someone to quiz you on your spelling words or do a look cover write check with them.</p>
Reading	<p>Read for at least 20 mins a book of your choice.</p> <p>After reading:          Complete one of the following sentences about what you have just read:  <u>Question:</u> "I wonder if..." or "what if..."  <u>Connection:</u> "This reminds me of..."  <u>Opinion:</u> "I think...."  <u>Reaction:</u> "WOW, I didn't know that..."</p>



Sentence of the day

**Learning Intention:** We are learning to use correct punctuation when quoting direct speech.

There are three things you need to remember:

1. Open and close the quotation with speech marks ( " " ).
2. End the speaking with: Comma, Question mark or an Exclamation mark
3. Give information about who said it and how it was said.



Example: "You will need to open your book to the next page," explained Miss Attewell.

Write a sentence with direct speech about what 'Photographer Frog' is saying...

Maths Problem Solving

The total perimeter of a regular octagon is 96cm.

What is the length of one side?

Other

Play a board game or card game with a family member.  
and  
Complete any unfinished work.

UNIT  
**3**

## Revising 3-digit division

767 books were shared between 5 schools.

Share out the hundreds with each school getting 1.

$$\begin{array}{r} 1 \\ 5 \overline{)767} \end{array}$$

Trade the 2 hundreds left for 20 tens. Now share the 26 tens. Each school gets 5.

$$\begin{array}{r} 15 \\ 5 \overline{)7267} \end{array}$$

Trade the 1 ten left over for 10 ones. Now share the 17 ones. Each school gets 3 and there is a remainder of 2.

$$\begin{array}{r} 153r2 \\ 5 \overline{)72617} \end{array}$$

**4** Complete the division algorithms.

a) $3 \overline{)426}$	b) $5 \overline{)655}$	c) $6 \overline{)786}$	d) $3 \overline{)519}$	e) $2 \overline{)768}$
f) $3 \overline{)397}$	g) $4 \overline{)247}$	h) $5 \overline{)356}$	i) $6 \overline{)372}$	j) $7 \overline{)504}$
k) $5 \overline{)757}$	l) $3 \overline{)659}$	m) $6 \overline{)269}$	n) $4 \overline{)358}$	o) $7 \overline{)457}$
p) $8 \overline{)699}$	q) $8 \overline{)982}$	r) $7 \overline{)387}$	s) $6 \overline{)997}$	t) $5 \overline{)668}$
u) $9 \overline{)892}$	v) $6 \overline{)456}$	w) $9 \overline{)607}$	x) $5 \overline{)776}$	y) $9 \overline{)387}$

**5** Five-a-side cricket final

Wombats		Galahs	
Bull	86	Ferguson	50
Cooper	92	Fong	51
Dawlings	63	Young	49
Dolderic	0	Halse	50
Fenton	14	Jaworski	50
Total	<input style="width: 40px;" type="text"/>	Total	<input style="width: 40px;" type="text"/>

a) Which team won the game? \_\_\_\_\_

b) What was the average score of each Wombat? \_\_\_\_\_

c) What was the average score of each Galah? \_\_\_\_\_

d) Which Wombats scored higher than the team average? \_\_\_\_\_

e) Which Galahs scored less than the team average? \_\_\_\_\_

**6** Create 4 different divisions that have a remainder of 2.

$\square \overline{) \square \square \square} \text{ r}2$

$\square \overline{) \square \square \square} \text{ r}2$

$\square \overline{) \square \square \square} \text{ r}2$

$\square \overline{) \square \square \square} \text{ r}2$

2673 sheep shared among 5 paddocks



Share 26 hundreds among 5. Each paddock gets 5 hundreds.

$$\begin{array}{r} 5 \\ 5 \overline{)2673} \end{array}$$

Trade the 1 hundred left over for 10 tens. Now share the 17 tens. Each paddock gets 3 tens.

$$\begin{array}{r} 53 \\ 5 \overline{)2673} \end{array}$$

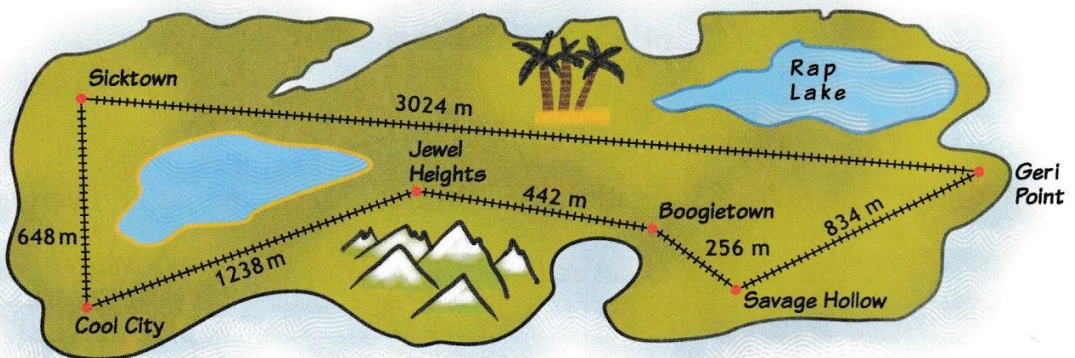
Trade the 2 tens left over for 20 ones. Now share the 23 ones. Each paddock gets 4 ones. There is a remainder of 3.

$$\begin{array}{r} 534r3 \\ 5 \overline{)2673} \end{array}$$

**1** Find the solutions.

- |                        |                        |                        |                         |                         |
|------------------------|------------------------|------------------------|-------------------------|-------------------------|
| a $5 \overline{)2655}$ | b $6 \overline{)3786}$ | c $4 \overline{)2728}$ | d $4 \overline{)3964}$  | e $6 \overline{)4026}$  |
| f $5 \overline{)2754}$ | g $6 \overline{)2777}$ | h $6 \overline{)2926}$ | i $5 \overline{)3775}$  | j $4 \overline{)2675}$  |
| k $3 \overline{)2496}$ | l $4 \overline{)3684}$ | m $5 \overline{)4505}$ | n $6 \overline{)3795}$  | o $7 \overline{)3032}$  |
| p $8 \overline{)4747}$ | q $9 \overline{)4774}$ | r $8 \overline{)3542}$ | s $10 \overline{)3574}$ | t $10 \overline{)8694}$ |

**Cool Island Railway**



**2** What is the average distance between railway stations for these trips?

- |  |         |
|--|---------|
| a Sicktown to Jewel Heights via Cool City                                | _____ m |
| b Sicktown to Boogietown via Geri Point and Savage Hollow                | _____ m |
| c Jewel Heights to Sicktown via Boogietown, Savage Hollow and Geri Point | _____ m |
| d Cool City to Savage Hollow via Sicktown and Geri Point                 | _____ m |
| e Sicktown to Sicktown in any direction                                  | _____ m |

**3** Find a 4-digit number that can be divided by 2, 4 and 8, then complete the divisions.

$2 \overline{) \square \square \square \square}$     
  $4 \overline{) \square \square \square \square}$     
  $8 \overline{) \square \square \square \square}$



### Changing remainders into common fractions

Remainders can be written as a common fraction by putting the remainder over the divisor. In this division the remainder of 1 gets put over the divisor of 4 to become  $\frac{1}{4}$ .

$$\begin{array}{r} 6r1 \\ 4 \overline{)25} \end{array} \text{ becomes } 6\frac{1}{4}$$

**1** Complete these divisions, writing the remainders as a fraction. The first has been done.

**a**  $3 \overline{)4125} \begin{array}{r} 141 \\ \underline{3} \\ 12 \\ \underline{12} \\ 5 \\ \underline{5} \\ 0 \end{array}$

**b**  $4 \overline{)5657}$

**c**  $5 \overline{)6557}$

**d**  $6 \overline{)7874}$

**e**  $4 \overline{)5367}$

**f**  $6 \overline{)7523}$

**g**  $4 \overline{)5678}$

**h**  $5 \overline{)7397}$

**i**  $3 \overline{)5475}$

**j**  $6 \overline{)7690}$

**k**  $6 \overline{)8352}$

**l**  $7 \overline{)9357}$

**m**  $6 \overline{)8542}$

**n**  $7 \overline{)8494}$

**o**  $8 \overline{)9613}$

**p**  $8 \overline{)9754}$

**q**  $7 \overline{)8559}$

**r**  $6 \overline{)7267}$

**s**  $5 \overline{)7429}$

**t**  $6 \overline{)8674}$

**u**  $5 \overline{)8546}$

**v**  $6 \overline{)8259}$

**w**  $7 \overline{)9354}$

**x**  $8 \overline{)9670}$

**y**  $7 \overline{)8385}$

To calculate average speed in kilometres per hour (km/h) divide the total distance by the hours taken to complete the journey.

**2** Solve the problems.

- a** Jack drove 475 kilometres in 5 hours. What is his average speed? \_\_\_\_\_ km/h
- b** Isla drove 390 kilometres in 6 hours. What is her average speed? \_\_\_\_\_ km/h
- c** Eva drove 574 kilometres in 7 hours. What is her average speed? \_\_\_\_\_ km/h
- d** Zachary drove 728 kilometres in 8 hours. What is his average speed? \_\_\_\_\_ km/h
- e** Eli drove 702 kilometres in 9 hours. What is his average speed? \_\_\_\_\_ km/h

**3** Complete the number cross.

1	2		3			4		5
	6			7				
			8				9	
		10				11		12
13	14		15		16			
			17				18	

**Across**

- 1**  $123 \div 3 =$
- 3**  $296 \div 8 =$
- 4**  $924 \div 2 =$
- 6**  $384 \div 6 =$
- 8**  $381 \div 3 =$
- 10**  $64 \div 8 =$
- 11**  $855 \div 5 =$
- 13**  $729 \div 9 =$
- 17**  $840 \div 4 =$
- 18**  $581 \div 7 =$

**Down**

- 2**  $252 \div 2 =$
- 3**  $160 \div 5 =$
- 5**  $705 \div 3 =$
- 7**  $882 \div 7 =$
- 9**  $469 \div 7 =$
- 12**  $858 \div 6 =$
- 14**  $150 \div 10 =$
- 15**  $288 \div 4 =$
- 16**  $640 \div 8 =$



# Dividing 5-digit numbers

**1** Use your division skills to divide these. Record any remainders as a fraction.

a  $3 \overline{)18969}$

b  $4 \overline{)12848}$

c  $5 \overline{)75255}$

d  $6 \overline{)38747}$

e  $4 \overline{)57092}$

f  $7 \overline{)60354}$

g  $8 \overline{)80562}$

h  $8 \overline{)81246}$

i  $7 \overline{)63196}$

j  $9 \overline{)45064}$

k  $10 \overline{)58762}$

l  $10 \overline{)35972}$

m  $8 \overline{)85742}$

n  $10 \overline{)86430}$

o  $4 \overline{)55092}$

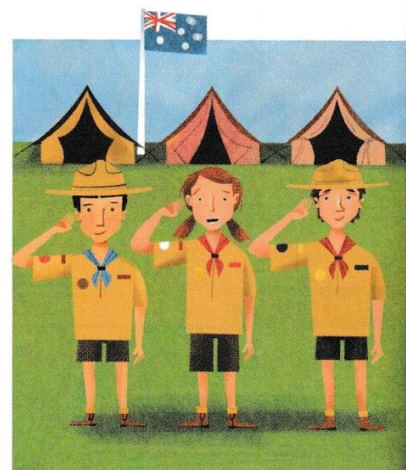
p  $6 \overline{)62364}$

$$\begin{array}{r} 233\frac{1}{3} \\ 3 \overline{)700} \end{array}$$



**2** Solve the problems.

a	564 runs in 6 innings. What is the average number of runs per innings?	
b	258 m <sup>2</sup> of land divided up into 6 equal paddocks.	
c	3600 mL of water was poured into 8 jugs of equal size. How much water in each jug?	
d	How many scouts attended the camp if $\frac{1}{4}$ of the 3000 scouts were there?	
e	5648 km divided into 8 equal sections.	



**3** Crack the secret code by substituting the division answers for the letters and writing them in the numbered grid below. You may use your calculator.

R	I	X	G	L	V	O	M	N	D	I	P
906	377	104	2450	903	8356	288	107	554	873	567	281

1  $3 \overline{)864}$

2  $3 \overline{)1701}$

3  $2 \overline{)1134}$

4  $5 \overline{)1440}$

5  $5 \overline{)2835}$

6  $8 \overline{)4432}$

7  $3 \overline{)2619}$

8  $9 \overline{)7857}$

9  $7 \overline{)58492}$

10  $8 \overline{)19600}$

11  $6 \overline{)14700}$

12  $4 \overline{)3492}$

Secret words

11	1	4	8
----	---	---	---

12	3	9	2	7	5	6	10
----	---	---	---	---	---	---	----



# Louis Pasteur

1822-1895

Louis Pasteur was born on 27<sup>th</sup> December 1822 in Dole, France. He was skilled in drawing and painting, gaining a Bachelor of Arts degree. However, he also gained a Bachelor of Science degree and later, a doctorate. He became a microbiologist who changed the world of medicine forever.

Louis spent many years doing science research in Dijon, Lyon. He later became professor of chemistry at the University of Strasbourg, where he met his future wife, Marie. During his research, Louis discovered that microbes were responsible for making alcohol taste sour. This led him to work on finding solutions to the problems manufacturers of alcohol were having with sour alcohol affecting drinks. This became known as the 'germ theory'.

Louis invented a whole new process where bacteria - which was making liquids sour - could be removed by boiling and then cooling the liquid. This became known as pasteurisation. It was first tested in April 1862.

Pasteur's discoveries inspired another scientist, Joseph Lister, to find safer ways for doctors and hospital staffs to safely perform surgery and treat patients. Before this time, people paid very little attention to preventing the spread of germs from one person to another. Now the medical profession began to pay close attention to cleanliness to avoid spreading disease.

In 1865, Louis helped save the silk industry. Silkworms create the silk used in fabrics and it was a very successful business. He proved that microbes were attacking silkworm eggs. This meant there were fewer silkworms to make the silk. He developed a process to stop the eggs being contaminated by the microbes and soon this process was used by silk manufacturers worldwide.

In 1879, the first vaccine was created for a disease called chicken cholera.

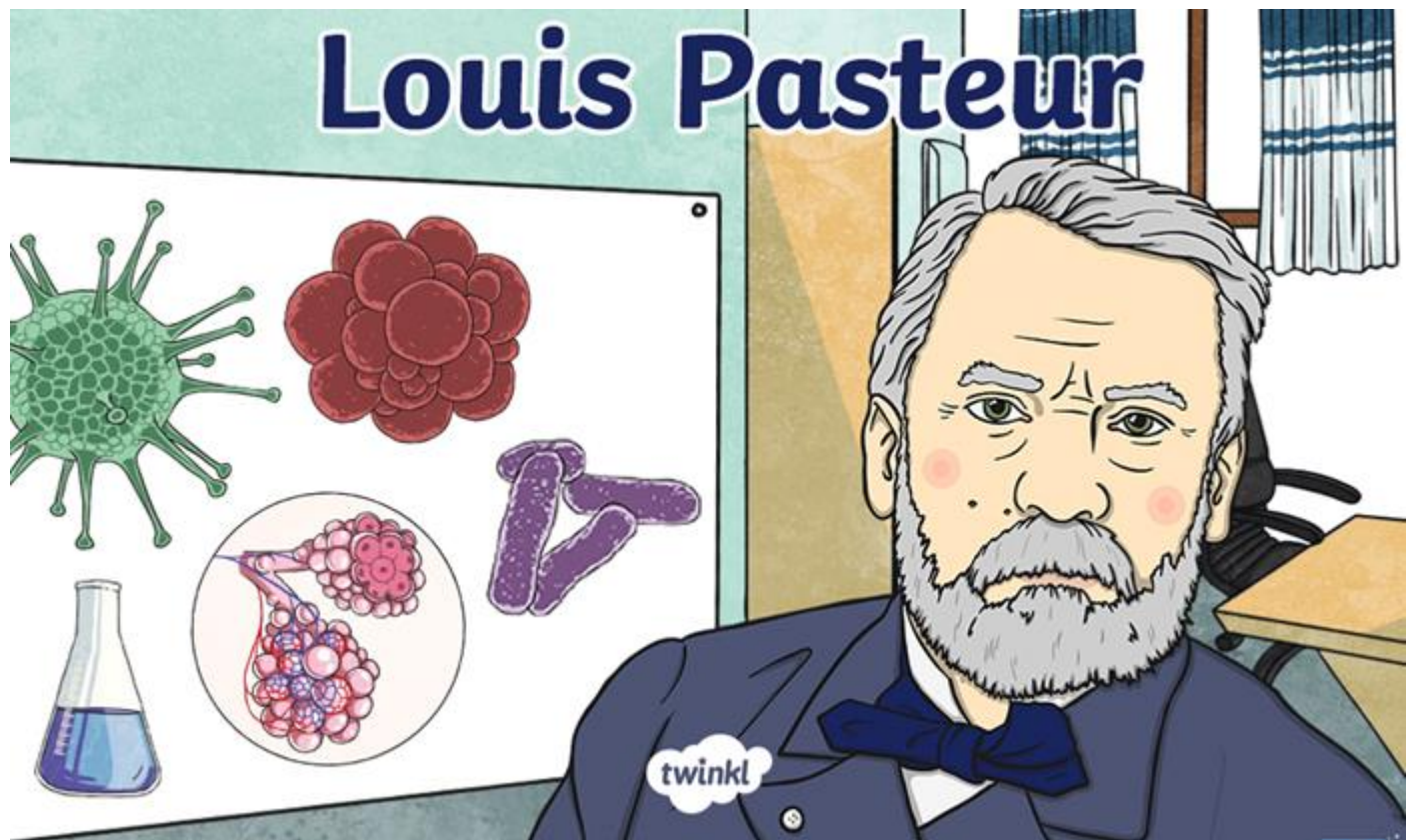


Louis Pasteur discovered that after accidentally exposing chickens to a form of the disease, the chickens became resistant to the actual virus. He continued this research and went on to create vaccines for anthrax, cholera, tuberculosis and smallpox. These illnesses were rife in the 1800s and many animals and people were dying from them.

In 1882, Louis switched his focus to finding a solution to the problem of rabies. Rabies is a fatal virus carried by infected dogs which is passed on through the saliva and being bitten. In 1885, Louis vaccinated a 9 year-old boy named Joseph Meister, who had been bitten by a rabid dog. The vaccine was a success and the boy did not develop rabies. This success brought Louis fame. International fundraising helped build the Pasteur Institute in Paris.

Louis Pasteur changed the world of medicine and through his vaccines, thousands of people have survived fatal illnesses. He invented pasteurisation, a method by which we use to remove bacteria in milk, making it safe to drink. Alcoholic drinks are pasteurised for the same reason and the taste isn't affected by the process.

The innovator, microbiologist, scientist Louis Pasteur died on 28th September 1895, aged 70. His legacy changed the world.





## Tuesday Comprehension

1. Where and when was Louis Pasteur born? \_\_\_\_\_

2. Apart from science, what were his other skills? \_\_\_\_\_

3. Where did he spend many years doing Science research? \_\_\_\_\_

4. What subject did he become a professor in? \_\_\_\_\_

5. Which of Pasteur's theories led to new standards of hygiene in hospitals?

## Wednesday Comprehension

1. What did Louis Pasteur discover microbes are responsible for?

2. List three of Louis Pasteur's discoveries from which the world still benefits today.

3. How did Joseph Lister apply Pasteur's findings? \_\_\_\_\_

4. When did Pasteur test the rabies vaccine on a human? \_\_\_\_\_  
\_\_\_\_\_

5. How did he test it? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Thursday Comprehension

1. Which procedure invented by Pasteur is still used today to process milk and certain other food products? \_\_\_\_\_  
\_\_\_\_\_

2. Who is Joseph Meister? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. How did Louis Pasteur help save the silk industry? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. When did Pasteur die? \_\_\_\_\_  
\_\_\_\_\_

5. How do vaccines help us today? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_