YEAR 4: Incredible Inventions



Hello, Year 4! We hope you are continuing to work well and keep safe! No doubt you have been enjoying the sunny days during lockdown and been in paddling pools during the hot weather. It made a change from paddling in the large puddles we normally have in Worcester! This week from 12-19<sup>th</sup> June is Drowning Prevention Week so remember that staying safe around water includes when we use small pools as well as when we venture near the River Severn or other larger areas of water! Remembering the rules helps us to have as much fun as we can! #StaySafe Ms Condon Mrs Screen Miss Doughty Mrs Sheppard

## EVERY DAY

Daily Maths lessons – <u>https://whiterosemaths.com/homelearning/year-4/</u> week 8 Decimals Mathletics – 15-20 minutes (more if you wish). Read for at least 15 minutes.

Additional tasks for this week (15/6/20)				
English	<u>Topic</u>			
Monday	This week we want you to complete at least one of			
Over the next two weeks, we are going to be writing a	the following –			
short story. The main focus of your story is going to be a	<b><u>Topic</u>-Simple Circuits</b> - Draw or make a circuit. Please			
futuristic mode of transport. It could be an electric car	label.			
that time travels, a space rocket that flies to a planet of	https://www.youtube.com/watch?v=VnnpLaKsqGU			
the future or a speeding bullet train that transports	https://www.youtube.com/watch?v=zSSkZ9F7Bng			
people to a magical kingdom. Research different ideas (I	https://mammothmemory.net/physics/electricity/sim			
have attached some images below that I found).	ple-electrical-circuits/simple-electrical-circuits.html			
<u>Tuesday</u>	Using your description of your futuristic mode of			
Sketch out your futuristic mode of transport. Think	travel from English, design your mode of transport-			
about what its main purpose is, how it works and any	you need to explain how and why it works-your circuit			
special features it may have. Annotate your drawing with	work might help you here! CALLING ALL FUTURE			
all of the ideas you come up. Remember to use your	TRANSPORT DESIGNERS.			
imagination!	https://www.sustainablelearning.com/resource/futur			
<u>Wednesday</u>	e-transport- Look at the PPT -Future Transport			
An expanded noun phrase, uses adjectives to describe	Presentation.			
the noun so that the reader can develop a more detailed	Water Safety			
picture in their head.	Drowning Prevention Week, organised by the Royal			
https://www.bbc.co.uk/bitesize/articles/znpbgwx	Life Saving Society UK, takes place to help us all learn			
(you do not need to do the practise activities)	about water safety. The RLSS have created a			
Using your best adjectives, create expanded noun	PowerPoint to help teach us about the dangers of			
phrases to describe the different parts of your transport	water and how to keep safe.			
e.g. the shiny, magnetic wheels gliding along the track.	https://rlss.sharepoint.com/:p:/g/Comms/EWNH3Phs			
Challenge: Use a thesaurus to up-level your vocabulary!	<u>U-9lpX-</u>			
Thursday / Friday	zGZQbDCwB7eTBsfNtHp0ZoNk8MLe2xg?rtime=9hvm_			
You are going to write a detailed description of your	<u>14F2Eg</u> Work through the PowerPoint and help			
futuristic mode of travel. Remember to write in narrative	improve your Water Safety knowledge.			
(story) format, using lots of descriptive phrases, so that	RE: What can we learn from religions about deciding			
you paint a picture for the reader.	what is right and wrong?			
You could include action as a way to start this:	Jewish Rules-Following on from our work on Golden			
"As Kate approached the transport station, the immense	Rules explore the Ten Commandments from the			
space rocket loomed in front of her. Glinting in the sun,	Jewish faith. What do they mean? Are they important			
the shiny red, metallic outline stood proudly up ahead. Kate could see the"	in today's society? Which rule do you think is the most			
Then describe all parts of your vehicle that can be seen in	important?			
detail over two or three paragraphs. Don't be tempted	https://www.topmarks.co.uk/judaism/the-ten-			
to rush into your story – we are not ready for that yet!	<u>commandments</u>			
to rush into your story – we are not ready for that yet!				

## English Resources

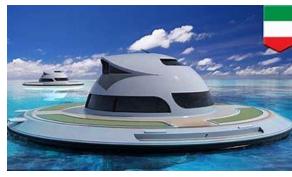
## <u>Monday / Tuesday</u>

## Futuristic transport ideas:













### <u>Wednesday</u>



### **BBC Bitesize**

### Noun phrase

A noun phrase is a simple phrase built around a noun. It contains a determiner and a noun.

For example: a tree, some sweets, the castle

### Expanded noun phrase

An expanded noun phrase adds more detail to the noun by adding one or more **adjectives**. An adjective is a word that describes a noun.

For example: a *huge* tree, some *colourful* sweets, the *large, royal* castle

An expanded noun phrase can also add detail by saying where a noun is.

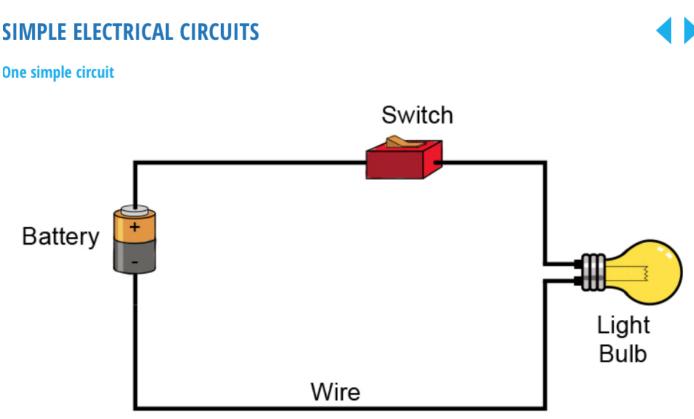
For example: a tree <u>next to the house</u>, some sweets <u>on the floor</u>, the castle <u>by the ocean</u>.

Writers use adjectives and expanded noun phrases to make their writing more **descriptive**. They help to give the reader a better picture in their head of what the writer is trying to describe.

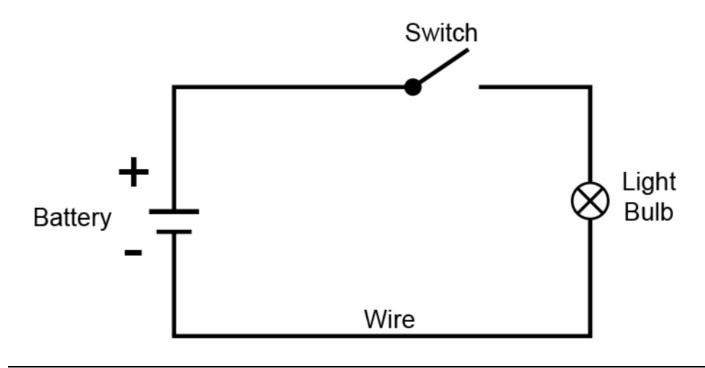
For example, the expanded noun phrase 'a cute, baby elephant' gives you a much clearer picture than just writing 'the elephant' would.

# <u>Topic</u>

# Simple Circuit- please annotate the direction of electricity flow and explain how the circuit works.



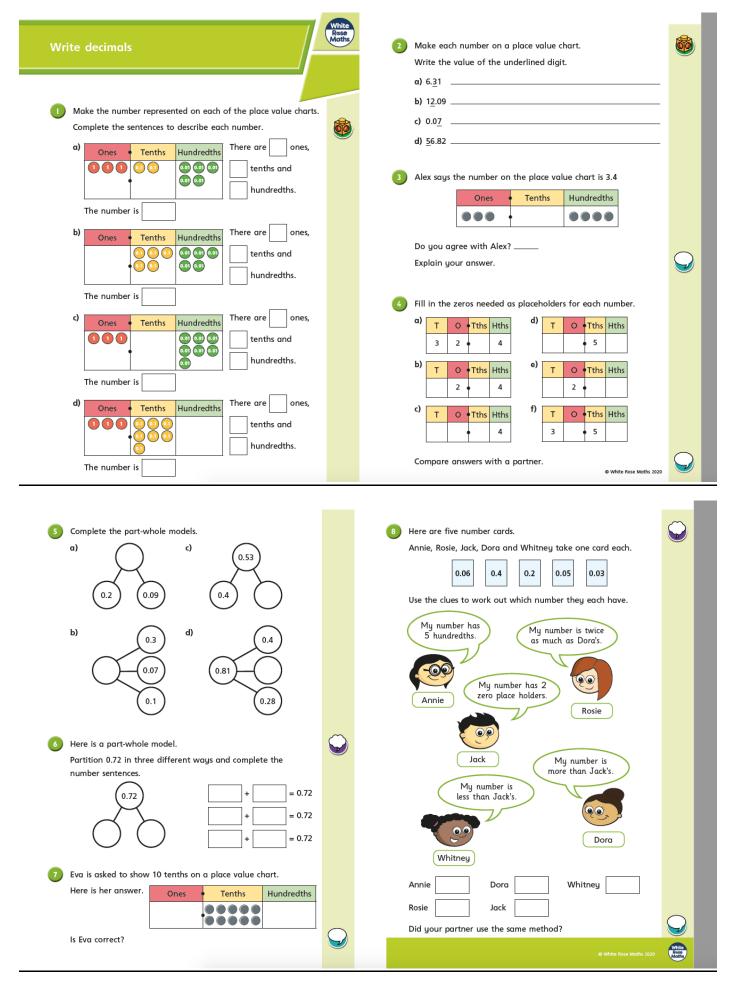
Which is represented by the symbols:

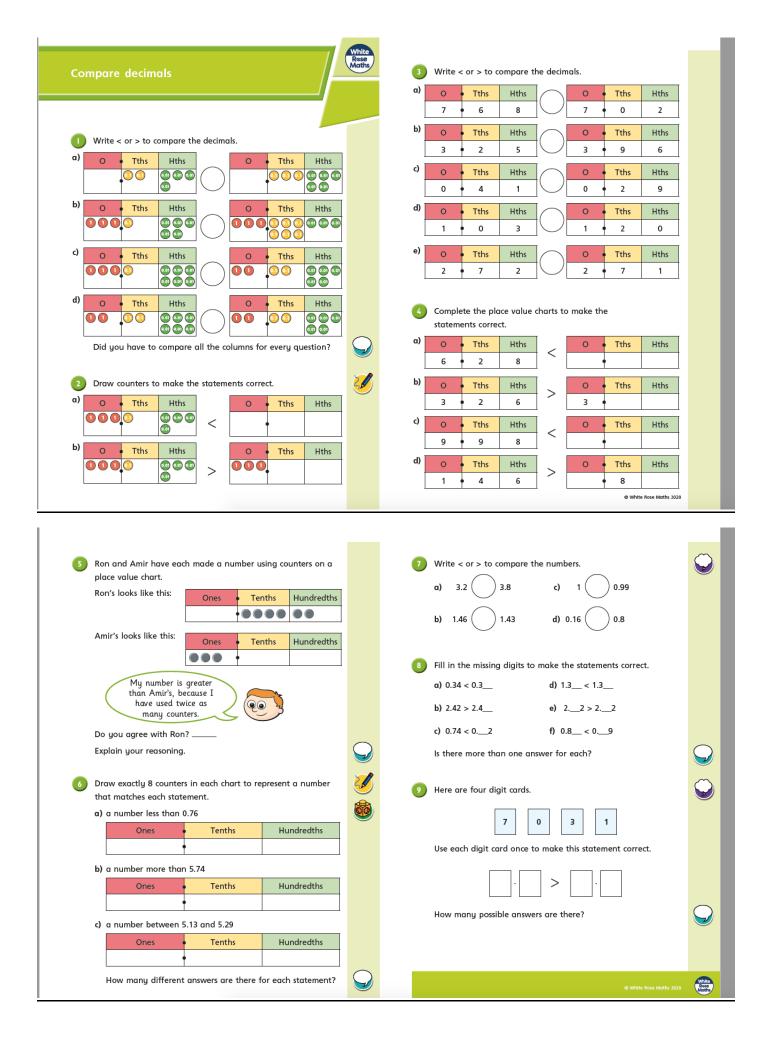


Design your own futuristic transport- You need to fully label the parts and materials you will use, also how it works (where or what provides its energy) and why you think it is a great design!!

My Vehicle Design 5-5

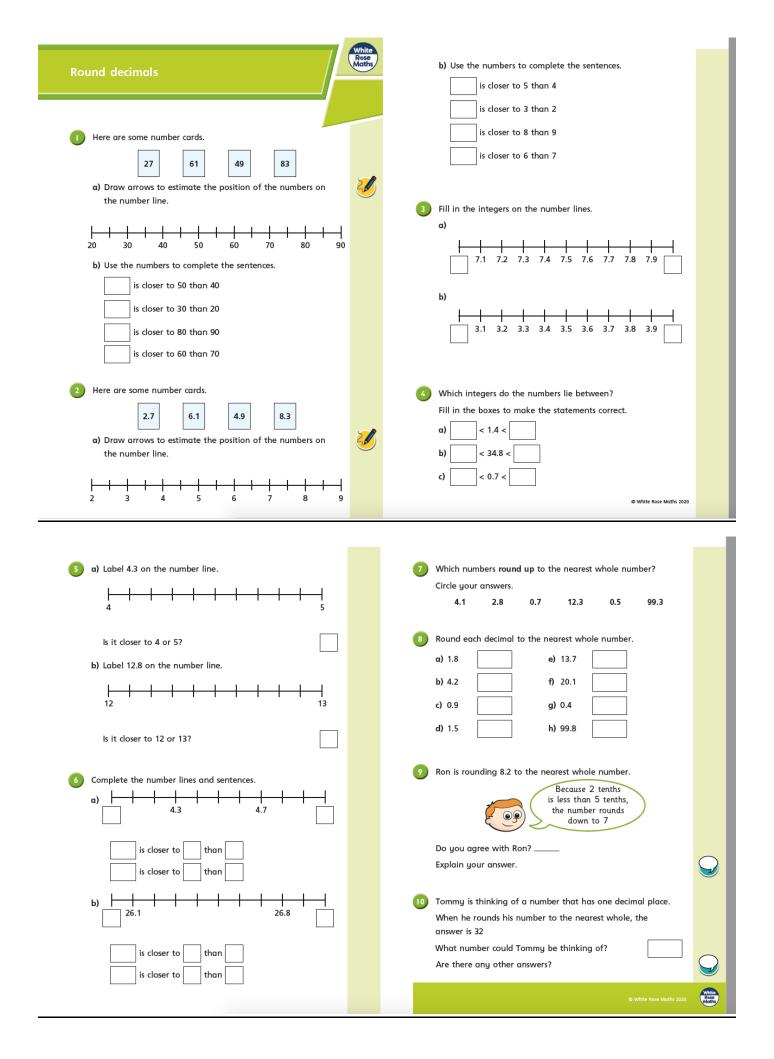
# Year 4 Maths



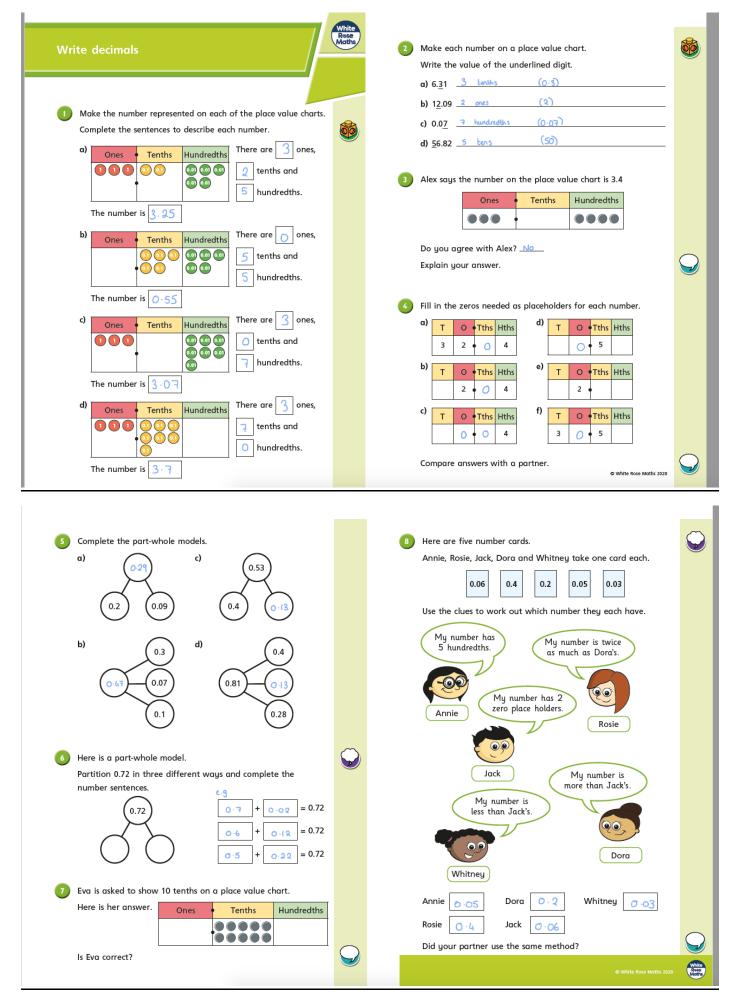


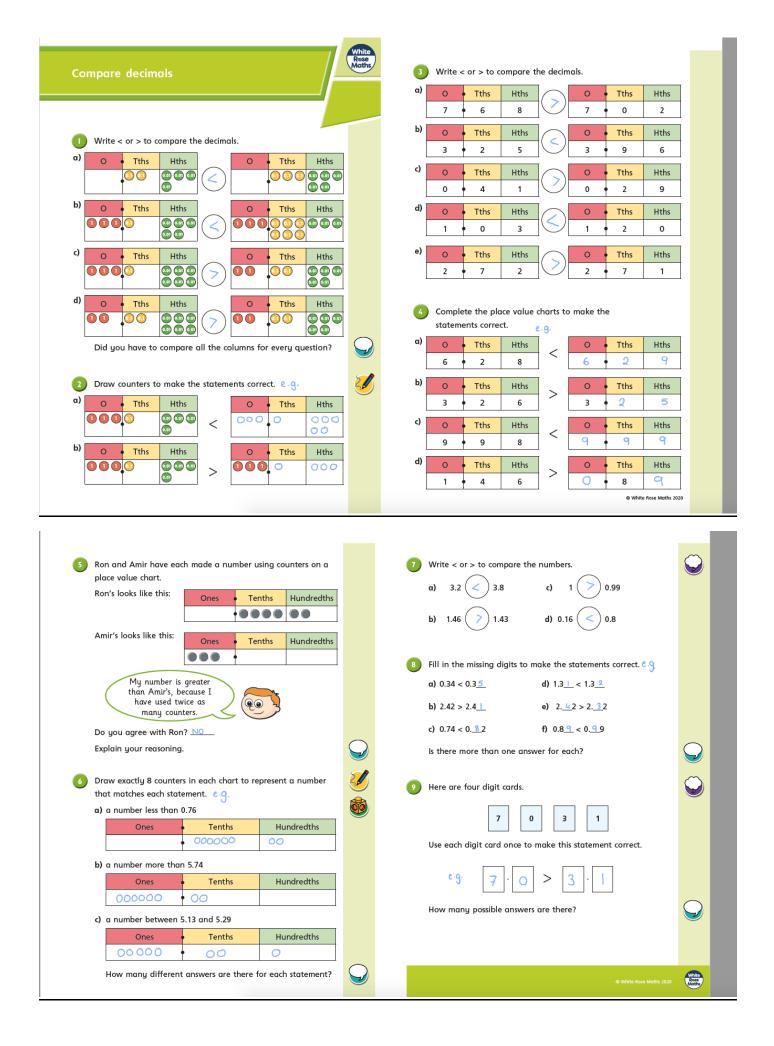
der decimals		White Rose Woths 2	<b>a)</b> Write dig place val	-	w the num	ber represe	ented in ec	ach
			0	<ul> <li>Tths</li> </ul>	Hths	0	• Tths	Hths
			1		••• •••		•	
Here are four numbers on place value charts.			0	• Tths	Hths	0	• Tths	Hths
a) What number is represented in each place	value chart?							
A Ones • Tenths Hundredths							•	
				•			•	
0.01			b) Write the	e numbers	in ascendi	ng order.		
B Ones Tenths Hundredths								
		3	Write the n	umbers in	descendin	g order.		
C Ones Tenths Hundredths			[			-		
				1.42	4.12	1.24	2.41	
D Ones Tenths Hundredths								
Ones     Tenths     Hundredths       Image: Ones     Image: Ones     Image: Ones       Image: Ones     Image: Ones     Image: Ones		4	Teddy's tea ascending o		im to put	some num	bers in	
			Here is his o					
<b>b)</b> Write the numbers in ascending order.								
			0.64 1	2.7 2.8	3			
smallest	greatest		Do you agre	e with Te	ddu?			
	Greater		Talk about i		-	_		
							© whit	te Rose Maths 202

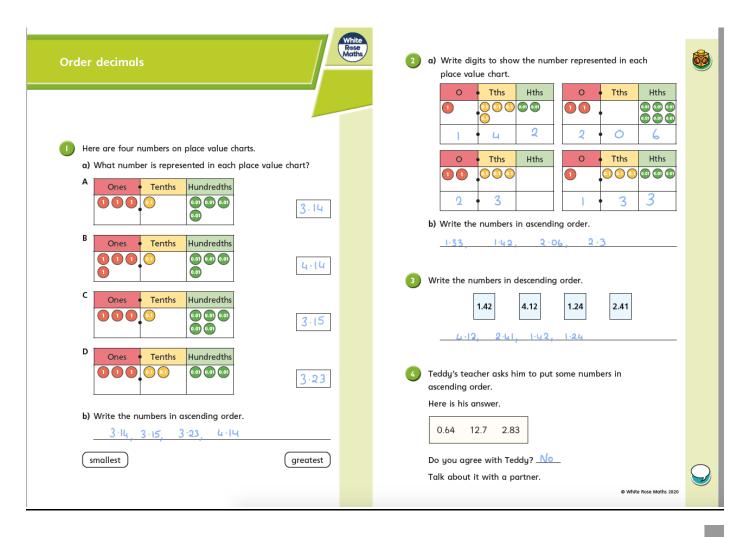
<ul> <li>Annie and Dexter are comparing the decimals 4.12 and 4.8</li> <li>4.12 is greater than 4.8, because 12 is bigger than 8</li> <li>Annie</li> <li>4.12 is smaller than 4.8, because 12 hundredths is less than 8 tenths.</li> </ul>	8 Tommy, Ron, Amir, Dora and Eva have measured their heights. My height is 145 cm. I am 1.4 m tall. I am 10 cm taller than Ron. Ron	
<ul> <li>Who do you agree with?</li> <li>Explain your answer.</li> <li>Write &lt; or &gt; to complete the statements. Decide whether the numbers are ascending or descending in each part.</li> <li>a) 3.2</li> <li>3.8</li> <li>3.9</li> </ul>	Write the children's names in order from shortest to tallest.	
b) 0.41       0.38       0.25         c) 4.2       4.17       4.085         7       Write the numbers in ascending order.         a) 2.38       0.97       1.45	9 Here are two lists of numbers. Use the digits 0 to 9 once each to complete the lists.	Ç
b) 0.64 0.7 0.09 0.46 () 12.3 2 7.83 0.99	ascending order441 7941 descending order41 79414_ Compare answers with a partner. Is there more than one way to complete each list?	

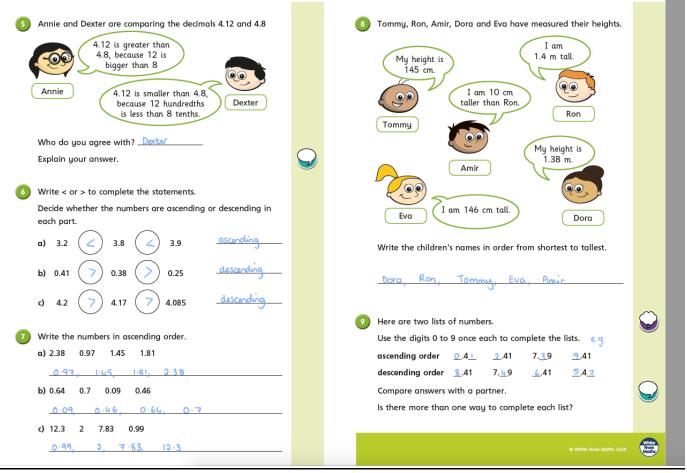


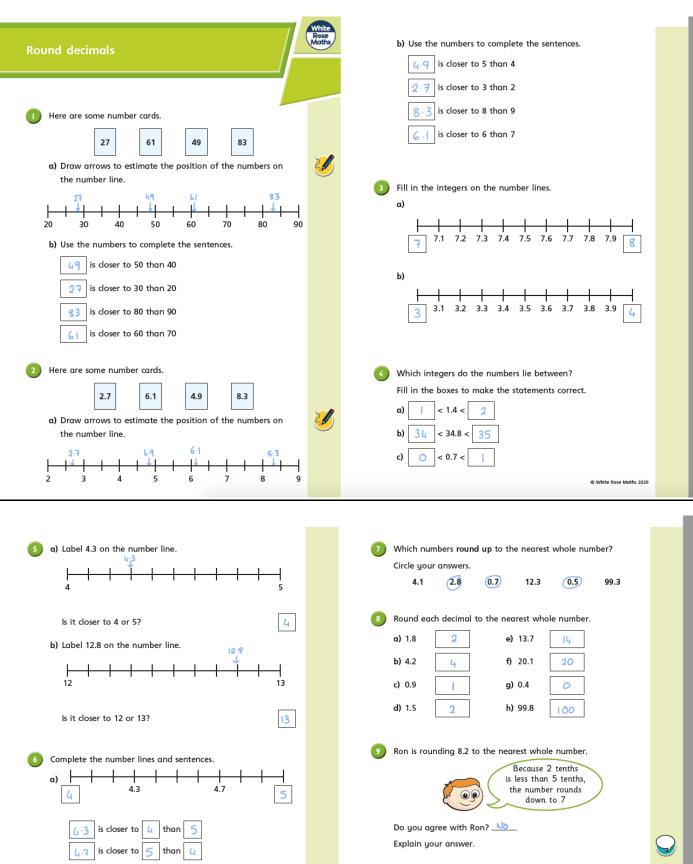
## Year 4 Answers











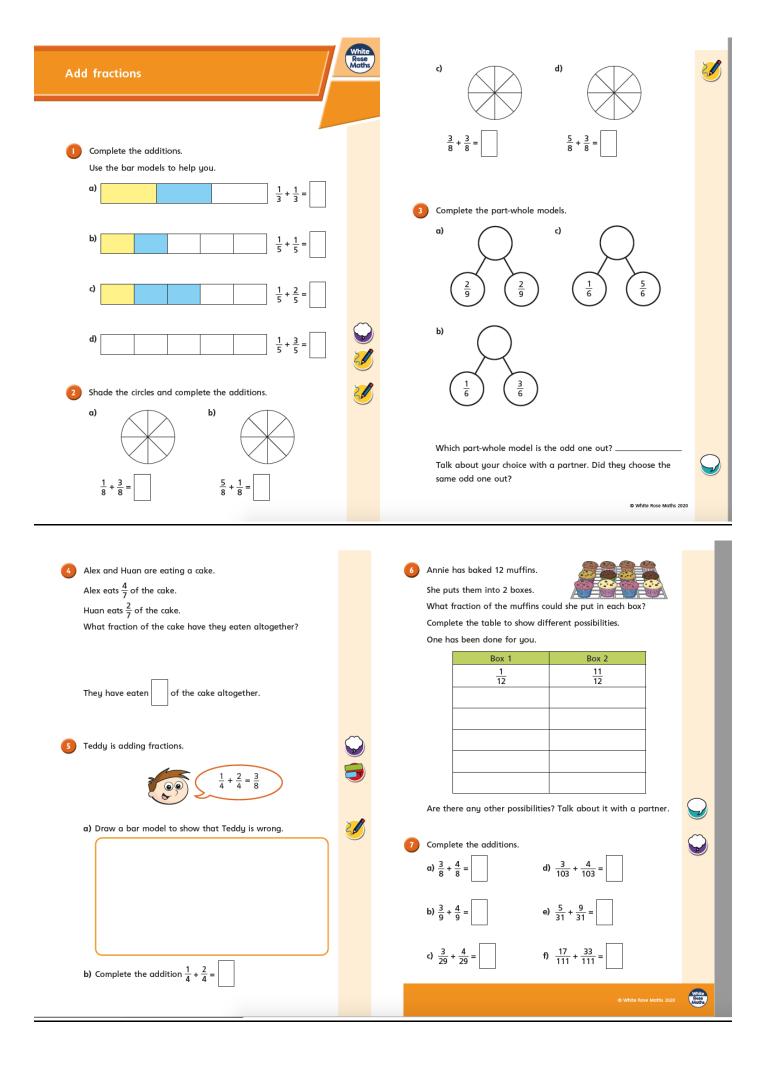
(1,3) is closer to $(1,1)$ than $(1,1)$ is closer to $(5)$ than $(1,1)$	Explain your answer.
b) 26.1 26.8 27	<ul> <li>Tommy is thinking of a number that has one decimal place.</li> <li>When he rounds his number to the nearest whole, the answer is 32</li> </ul>
$26 \cdot 1$ is closer to $26$ than $27$ $26 \cdot 8$ is closer to $27$ than $26$	What number could Tommy be thinking of? eg. 32.1 Are there any other answers?

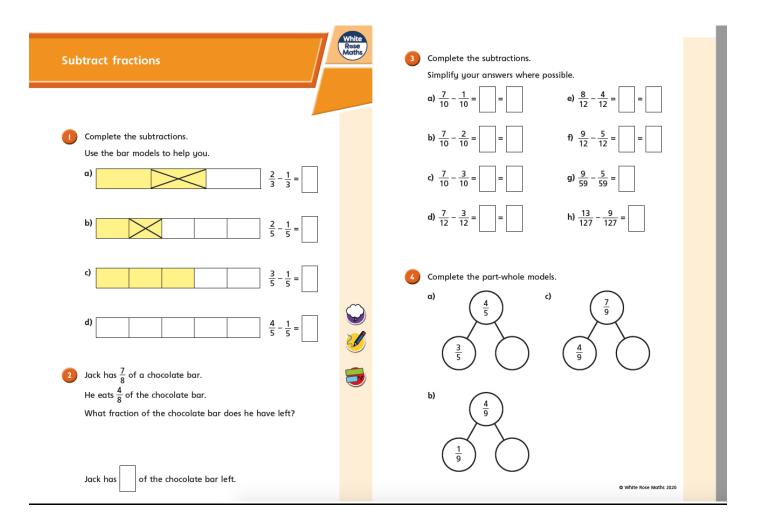
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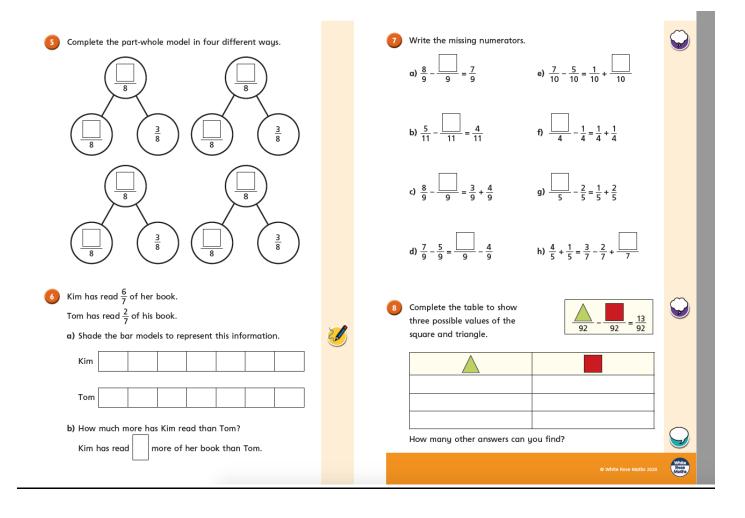
White Rose Moths

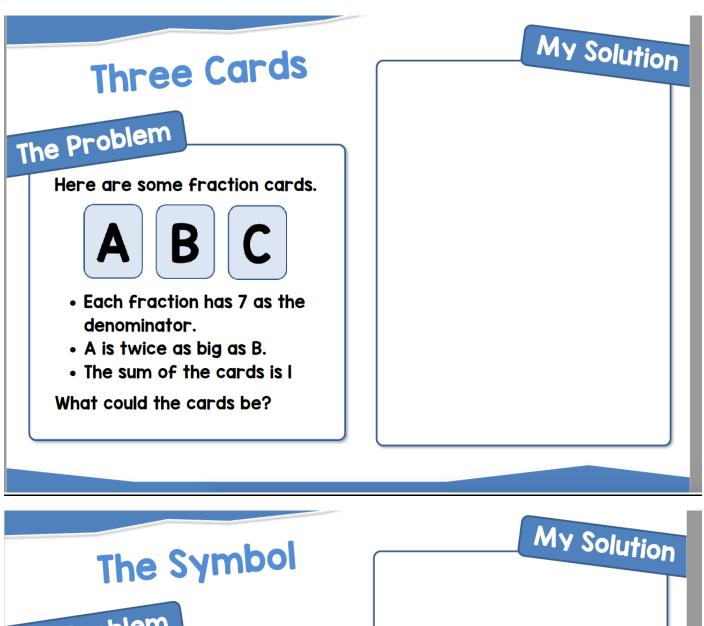
# Year 3 Maths- Fractions

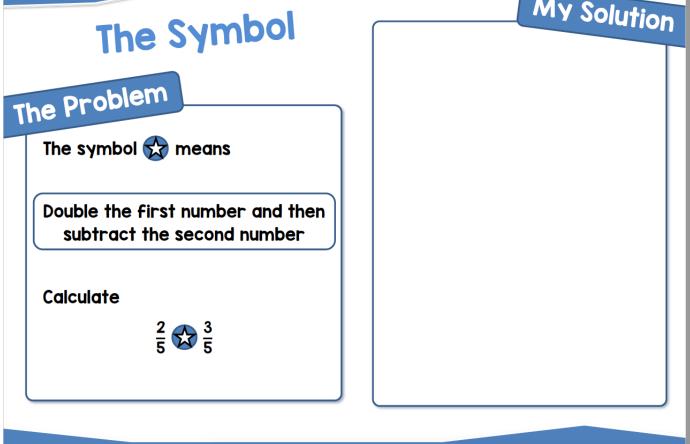
<ul> <li>i i i i i i i i i i i i i i i i i i i</li></ul>	naller) ne
<ul> <li>a) Shade the bar models to represent the fractions.</li> <li>iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii</li></ul>	naller he
$\frac{1}{5}$ $\frac{1}{9}$ $\frac{1}$	naller ne
i i   i i <td>naller ne</td>	naller ne
<ul> <li>a) What do you notice?</li> <li>b) What do you notice?</li> <li>c) Complete the sentence.</li> <li>numerator denominator greater smaller</li> <li>When fractions have the same, the</li></ul>	ne
<ul> <li>b) What do you notice?</li> <li>c) Complete the sentence.</li> <li>(numerator) (denominator) (greater) (smaller)</li> <li>(When fractions have the some, the fraction.</li> <li>2) Write the fractions in order, starting with the smallest.</li> <li>(1) 9) 9) 9) 7) 9) 9</li> <li>(2) Write the fractions in order, starting with the smallest.</li> <li>(3) Tommy and Dora are ordering fractions.</li> <li>(4) Tommy and Dora are ordering fractions.</li> <li>(3) Tommy and Dora are ordering fractions.</li> <li>(4) Dester and Alex are ordering fractions from smallest to greatest.</li> <li>(2) Dester and Alex are ordering fractions from smallest to greatest.</li> <li>(3) Tommy and Dora are ordering fractions.</li> <li>(4) Dester and Alex are ordering fractions from smallest to greatest.</li> <li>(2) Dester and Alex are ordering fractions from smallest to greatest.</li> <li>(3) Tommy and Dora are ordering fractions.</li> <li>(4) Dester and Alex are ordering fractions from smallest to greatest.</li> <li>(5) A f f f f f f f f f f f f f f f f f f</li></ul>	ne
<ul> <li>Complete the sentence.</li> <li>(numerator) (denominator) (greater) (smaller)</li> <li>When fractions have the same, the</li></ul>	ne
When fractions have the same, the	
When fractions have the same, the	
When fluctuoes have the sume, the       the fraction.            • the fraction.           • the fraction.             • the fractions in order, starting with the smallest.           • fraction.             • fraction.           • fraction.             • fractions in order, starting with the smallest.           • fraction.             • fractions fractions fractions fractions.           • fractions fract	 ] ]
the fraction. (2) Write the fractions in order, starting with the smallest. $ \begin{array}{c} 1 \\ 9 \\ 9 \\ 9 \\ 9 \\ 9 \\ 9 \\ 9 \\ 9 \\ 9 \\ 9$	]
2 Write the fractions in order, starting with the smallest. $ \begin{array}{c} 1 \\ 9 \\ 9 \\ 9 \\ 9 \\ 9 \\ 9 \\ 9 \\ 9 \\ 9 \\ 9$	]
3 Tommy and Dora are ordering fractions. $ \frac{1}{5} \qquad \frac{4}{15} \qquad \frac{2}{3} \qquad \frac{7}{15} $ $ \frac{1}{7} \qquad \frac{2}{21} \qquad \frac{4}{35} \qquad \frac{2}{7} $ $ \frac{9}{3} \qquad 7 \qquad 2 \qquad 11 $ $ \frac{9}{3} \qquad 7 \qquad$	   t
$\frac{1}{9}  \frac{8}{9}  \frac{4}{9}  \frac{2}{9}  \frac{7}{9}$ $greatest \qquad greatest \qquad gre$	] ] t
3 Tommy and Dora are ordering fractions. $ \begin{array}{c} 1 \\ 5 \\ 4 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15$	t
3 Tommy and Dora are ordering fractions. $1 \\ 5 \\ 4 \\ 15 \\ 2 \\ 3 \\ 7 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 $	t
3 Tommy and Dora are ordering fractions. $1 \\ 5 \\ 4 \\ 15 \\ 2 \\ 3 \\ 7 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 $	t)
3 Tommy and Dora are ordering fractions. $1 \\ 5 \\ 4 \\ 15 \\ 2 \\ 3 \\ 7 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 $	_
$\begin{array}{c c} \hline 1\\ \hline 5\\ \hline \\ \hline$	Rose Maths 2020
Image: state of the state	
6       a) Complete the equivalent fractions. $\frac{3}{5} = \frac{6}{2}$ $\frac{2}{9} = \frac{6}{2}$ $\frac{1}{7} = \frac{6}{2}$ Alex	
b) Write the fractions in order, starting with the greatest. Use Alex's method to put the fractions in order.	
$\begin{array}{c c} \hline 6\\ \hline 9\\ \hline 3\\ \hline 5\\ \hline 7\\ \hline 7\\ \hline 9\\ \hline \\ \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	
greatest (smallest)  • White Rose Mathin 2020	$\bigcirc$

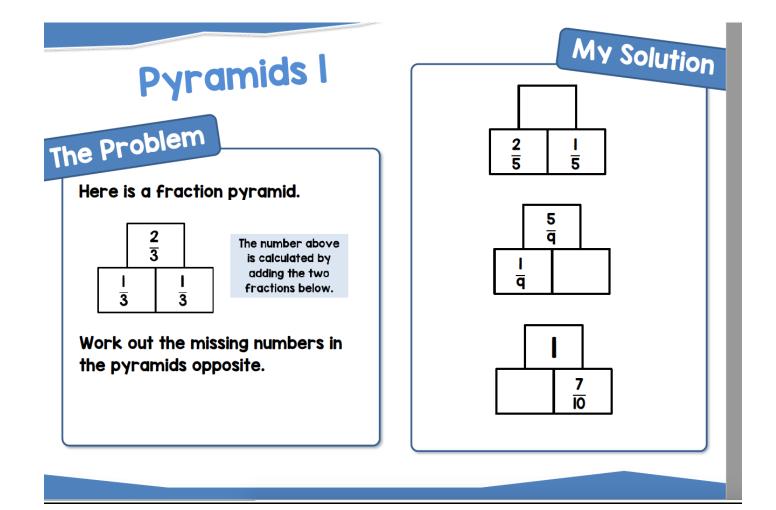


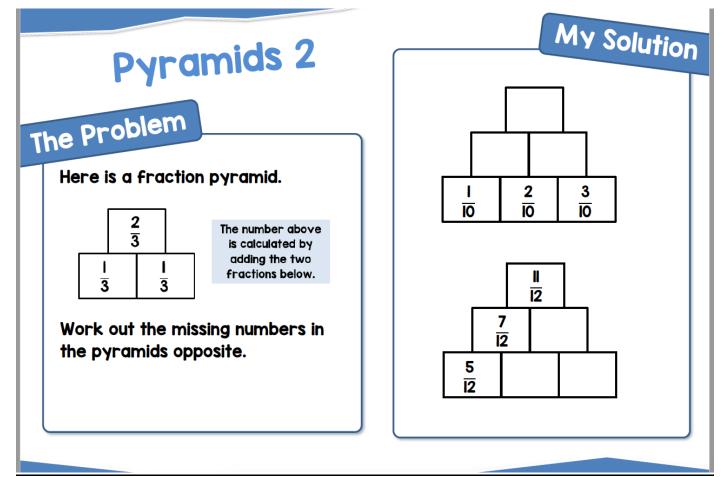


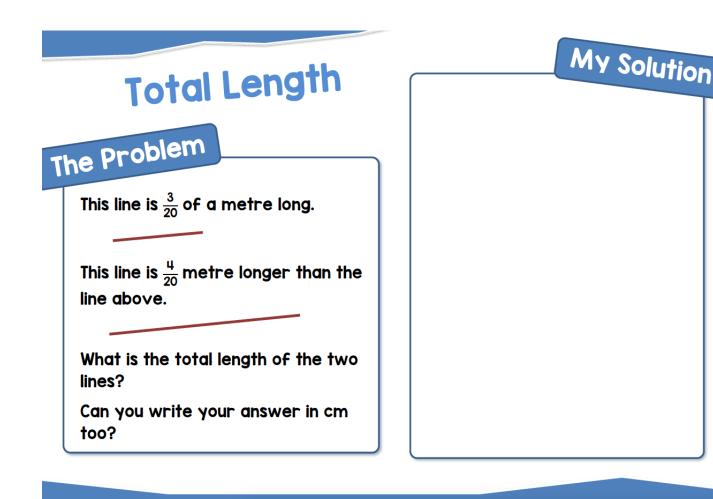






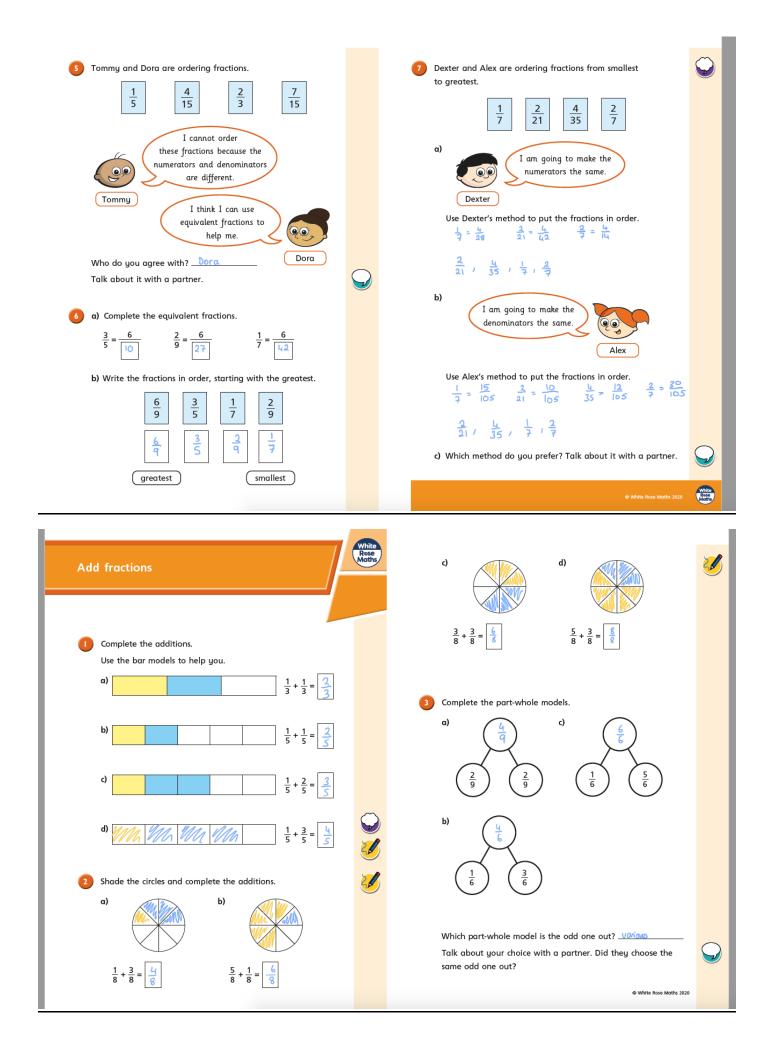


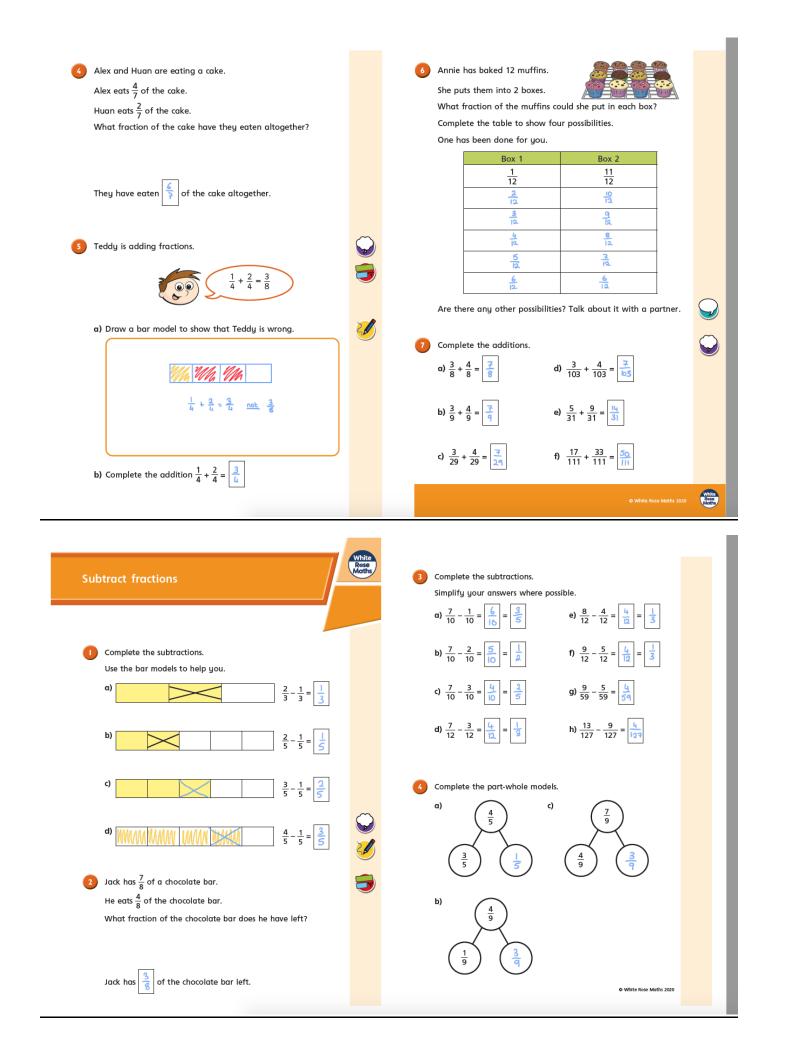


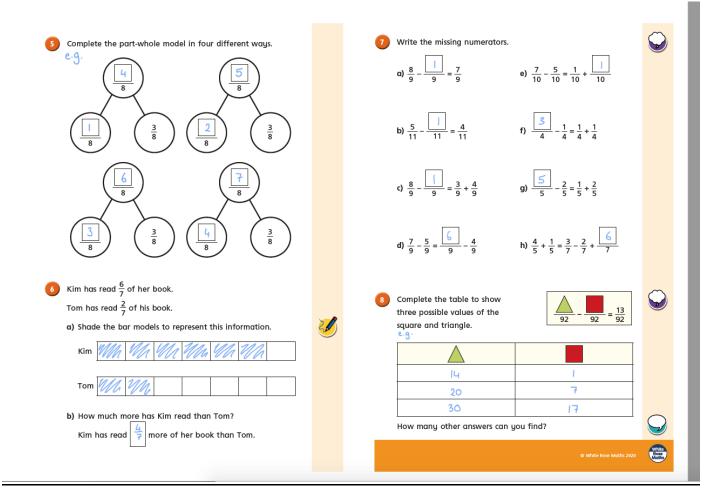


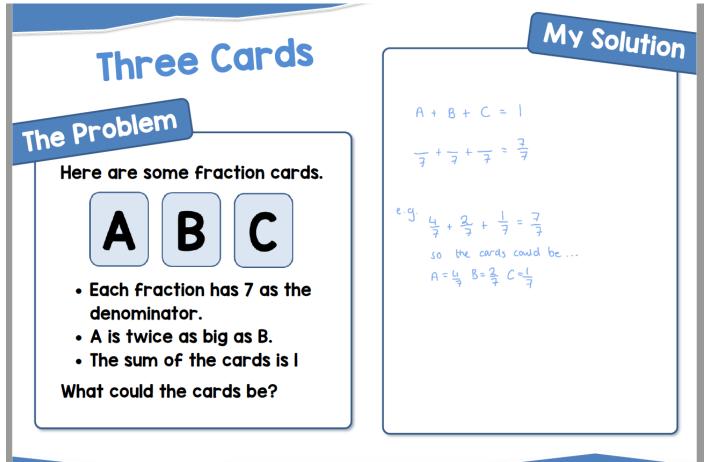
## Year 3 Answers.

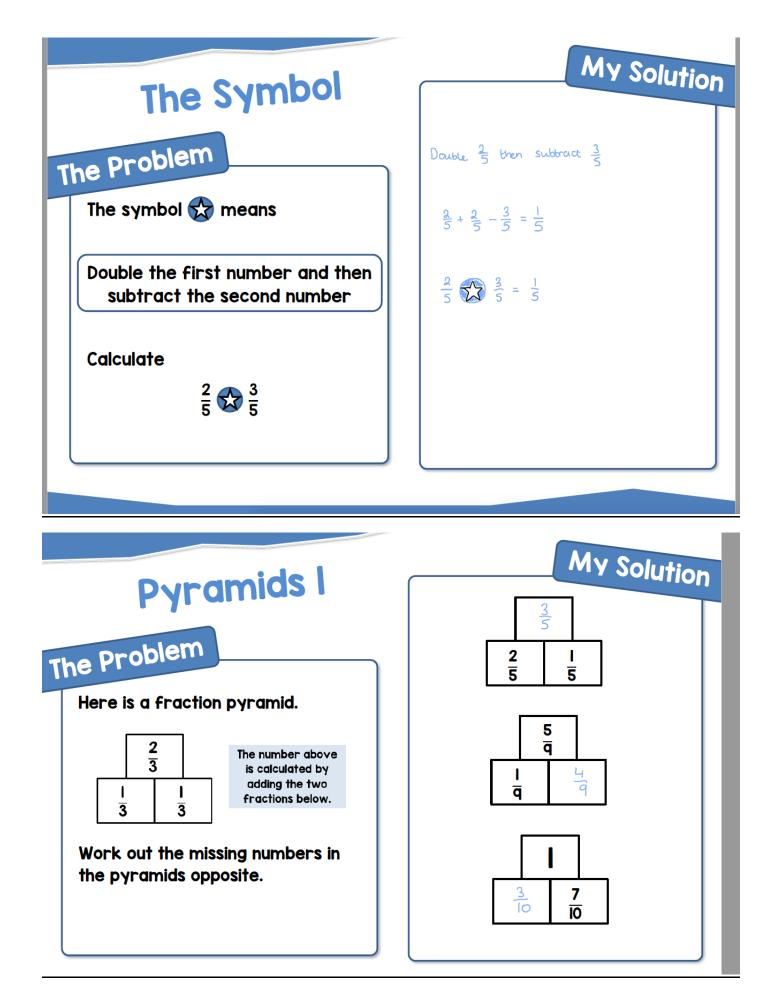
Order fractions	a) Shade the bar models to represent the fractions.	2
/	$\frac{1}{2}$	
a) Shade the bar models to represent the fractions.		
$\frac{2}{5}$		
$\frac{4}{5}$	b) What do you notice?	$\bigcirc$
b) What do you notice?	c) Complete the sentence.	
c) Complete the sentence.	When fractions have the same $\underline{-\alpha\mu\alpha\nu\nu}$ , the	
When fractions have the same <u>denominator</u> , the	<u>greater</u> the <u>denominator</u> the <u>maller</u> the <u>maller</u> the <u>maller</u>	
<u>greater</u> the <u>pumerator</u> the <u>greater</u> the <u>fraction</u> .	Write the fractions in order, starting with the greatest.	
2 Write the fractions in order, starting with the smallest. $ \begin{array}{c c} 1\\ \hline 9\\ \hline 9\\ \hline 9\\ \hline 9\\ \hline 4\\ \hline 9\\ \hline 9\\ \hline 2\\ \hline 9\\ \hline 7\\ \hline 9\\ \hline 7\\ \hline 9 \end{array} $	$\begin{array}{c c} \frac{1}{9} \\ \hline 1\\ \hline 3 \\ \hline 7 \\ \hline 1\\ \hline 2 \\ \hline 1\\ \hline 11 \\ \hline \end{array}$	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c} 1 \\ \hline 2 \\ \hline 3 \\ \hline 7 \\ \hline 7 \\ \hline 1 \\ \hline 7 \\ \hline 1 \\ \hline 7 \\ \hline 1 $	
(smallest) (greatest	white Rose Maths 2020	

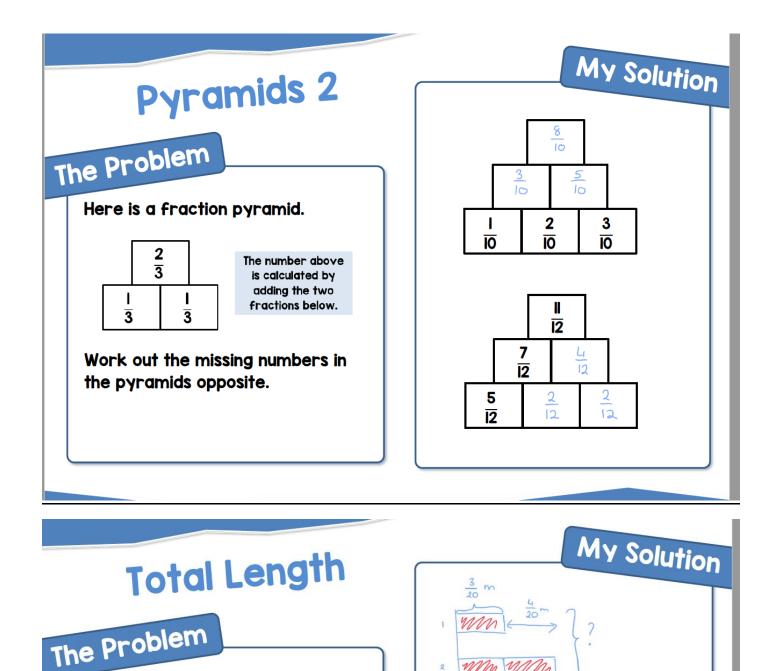












This line is  $\frac{3}{20}$  of a metre long.

0-

This line is  $\frac{4}{20}$  metre longer than the line above.

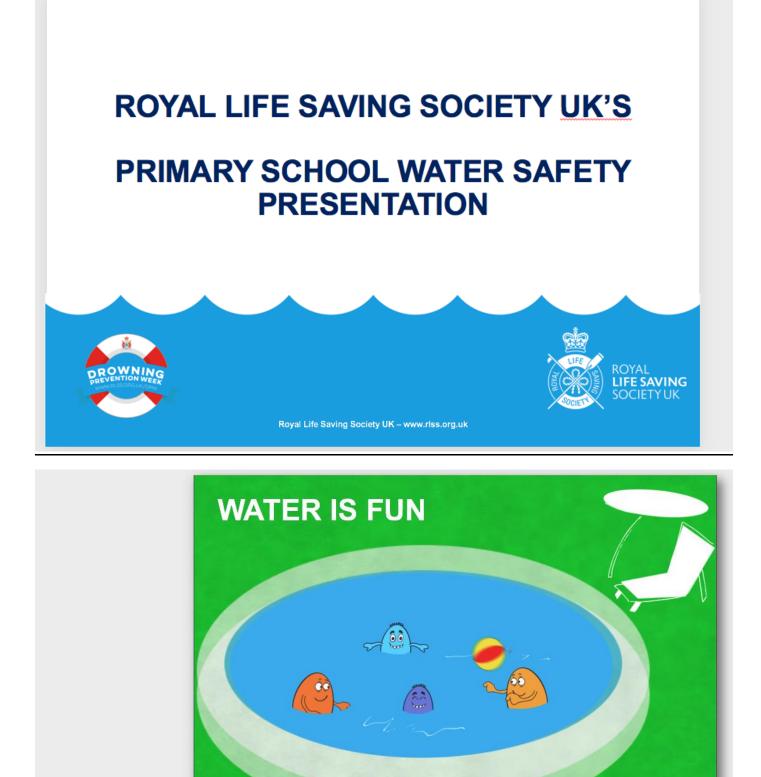
What is the total length of the two lines?

Can you write your answer in cm too?

 $\frac{3}{20}m + \frac{3}{20}m + \frac{4}{20}m = \frac{10}{20}m$ 

The total length of the two lines is 10 m. This is the same as 50 cm.

## Water Safety



Ask them what fun things they do in the water. Prompt them by asking who goes swimming, who goes to the beach, who walk near rivers etc.



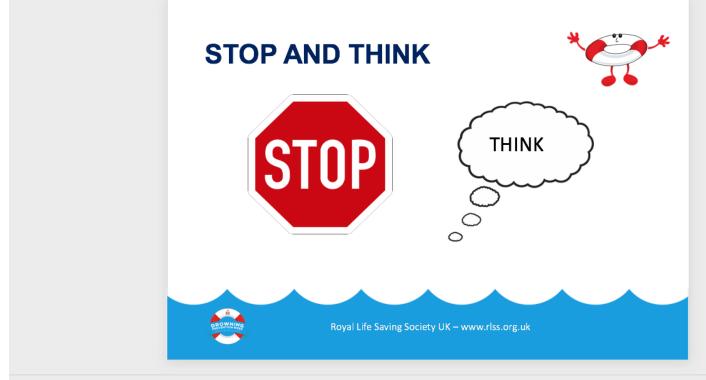
Emphasise that they need to make sure they stay safe near or in water.





Royal Life Saving Society UK - www.rlss.org.uk

ROYAL LIFE SAVING SOCIETY UK

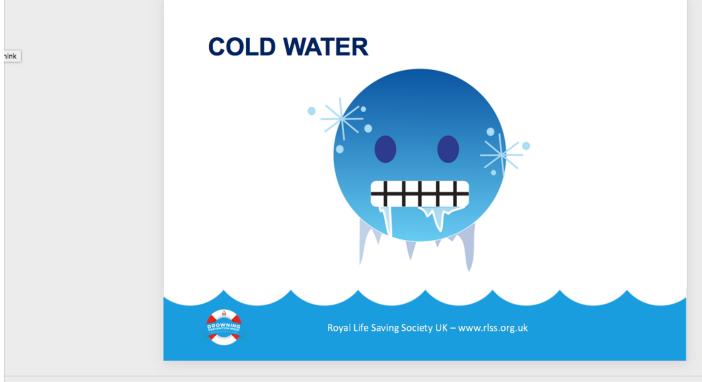


Ask children to shout out some of the things that can go wrong



The teacher or pupils can click (or touch) where they think there is a danger, then the information notice will appear.

Pupils can discuss each of the dangers and how they would keep themselves safe.



Explain that in a pool the water is warm but in water found outside, it is very cold even in the summer



The teacher or pupils can click (or touch) where they think there is a danger, then the information notice will appear.

Pupils can discuss each of the dangers and how they would keep themselves safe.



The teacher or pupils can click (or touch) where they think there is a danger, then the information notice will appear.

Pupils can discuss each of the dangers and how they would keep themselves safe.

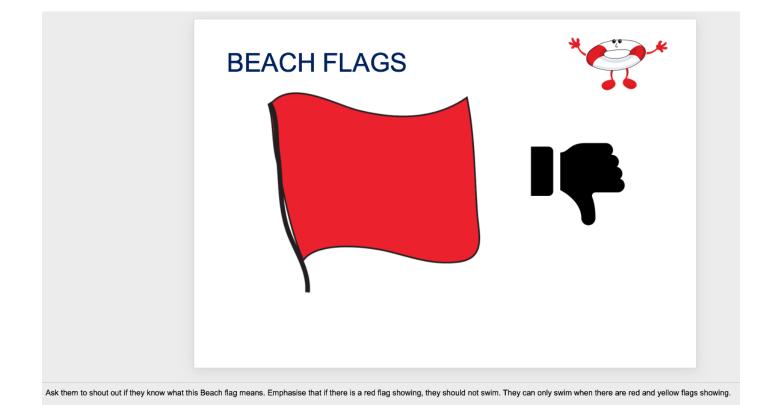


Emphasise importance of staying together. It's more fun and if you get in trouble, they can help.



Talk about who can keep them safe near water. Prompt who would be called to a rescue - fire service, coastguard etc.

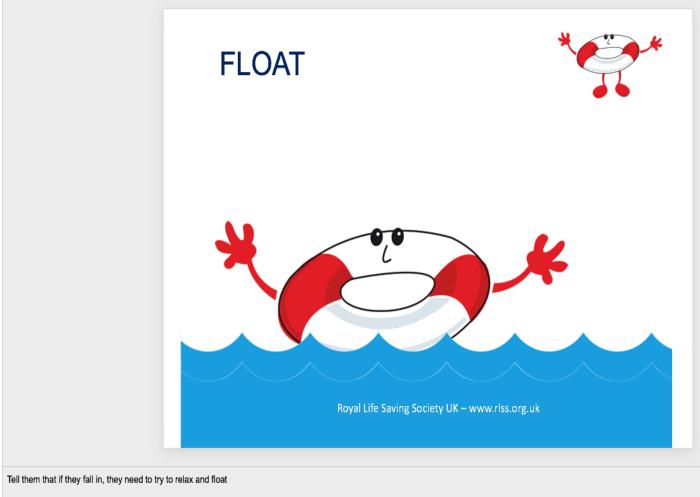








OPTION - Demonstrate safe rescues (throw something that floats or carry out a reach rescue if the pupils are old enough) Emphasise that they shouldn't attempt a rescue if its unsafe for them.



Tell them to throw something that floats to anyone in the water

### <u>Jewish Rules</u>

So far this term we have learnt about the Golden Rule and how is important to lots of groups of people, many of which are religious groups. These religious groups have rules which they believe were given to them by God. Many Jews believe the rules in the Torah (their holy book) were given by God and some of these rules are known as 'The Ten Commandments'.

### The Ten Commandments

The Torah is not just a book of rules and commandments, those that are in the Torah help to shape the way many Jewish people live their lives. Look at the Ten Commandments on the following website:

https://www.topmarks.co.uk/judaism/the-ten-commandments

- I. You shall have no other Gods but me.
- 2. You shall not make for yourself any idol, nor bow down to it or worship it.
- 3. You shall not misuse the name of the Lord your God.
- 4. You shall remember and keep the Sabbath day holy.
- 5. Respect your father and mother.
- 6. You must not commit murder.
- 7. You must not commit adultery.
- 8. You must not steal.
- 9. You must not give false evidence against your neighbour.
- 10. You must not be envious of your neighbour's goods. You shall not be envious of his house nor his wife, nor anything that belongs to your neighbour.

Discuss with a family member what you think each commandment means and whether any of them are seen as very important in Britain today. For example, not killing is very important in the Ten Commandments and is also important in our country's law.

### The most important rule of all

What rule do you think should be 'most important rule to make a good world' — it might be one of the Ten Commandments or it might be one that you come up with yourself. What do you think is most important for making the world good?

Extension activity: https://www.topmarks.co.uk/judaism/ten-commandments-activity