



NORTH MEAD
PRIMARY ACADEMY

Home Learning

Year 4

Week Beginning 08/06/2020

Everyday Useful Websites

www.twinkl.co.uk/offer and enter the code UKTWINKLHELPS

<https://play.trockstars.com/numbots/trial>

<https://www.bbc.co.uk/bitesize/levels/zbr9wmn>

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

https://beinternetawesome.withgoogle.com/en_us/interland

<https://ukhosted111.renlearn.co.uk/6712255/Public/RPM/Login/Login.aspx?srcID=s>

<https://play.trockstars.com/auth/school/student/39903>

<https://2simple.com/purple-mash/free-14-day-trial/>

<https://www.myon.co.uk/login/index.html>

<https://www.topmarks.co.uk/english-games/5-7-years/letters-and-sounds>

<https://whiterosemaths.com/resources/schemes-of-learning/primary-sols/>

<https://mathsbot.com/>

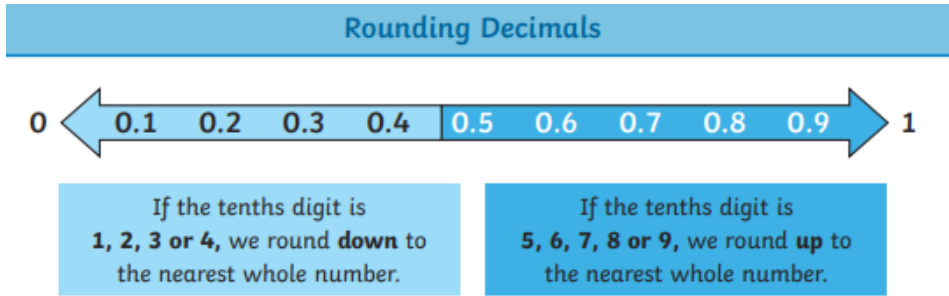
<https://www.123homeschool4me.com/home-school-free-printables/>

<https://www.3plearning.com/distance-teaching/>

	Task 1	Task 2
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Monday

The grid below will remind you about the rule of rounding. This one shows how to round decimals using the same rule as we have used before with whole numbers.



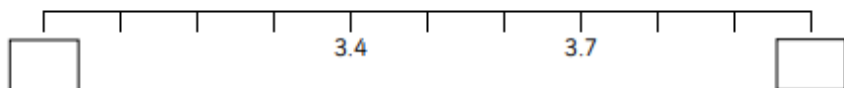
Use this grid to help you with the following work

Read Chapter 2 of Harry Potter – The Vanishing Glass.
You will find it on the Class Dojo page.

1.



Which whole numbers do the decimals lie between?



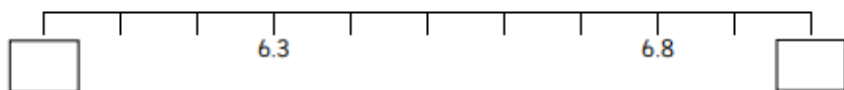
Round these decimals to the nearest whole one.

3.6 3.3 3.8 3.2

2.



Which whole numbers do the decimals lie between?



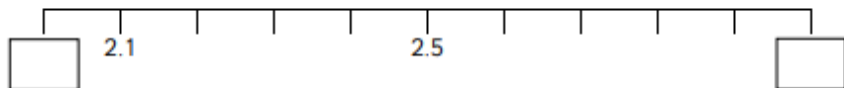
Round these decimals to the nearest whole one.

6.1 6.7 6.4 6.5

3.




Which whole numbers do the decimals lie between?



Round these decimals to the nearest whole one.

2.9 2.2 2.6 2.3

	Task 1	Task 2																					
Tuesday	<p data-bbox="371 212 902 316"> <ul style="list-style-type: none"> Sort the numbers below into the table rounding each of them to the nearest whole number. </p> <div data-bbox="371 355 775 647"> <table border="1"> <tr> <td>23.1</td> <td>23.2</td> <td>24.4</td> </tr> <tr> <td>23.5</td> <td>23.4</td> <td>24.3</td> </tr> <tr> <td>23.9</td> <td>22.8</td> <td>22.5</td> </tr> </table> </div> <table border="1" data-bbox="371 735 813 900"> <thead> <tr> <th>Rounds to 23</th> <th>Rounds to 24</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table> <p data-bbox="371 1090 972 1286"> <ul style="list-style-type: none"> Two numbers with one decimal place both round to 23. The numbers add up to 46. What could the two numbers be? Explain your thinking. </p>	23.1	23.2	24.4	23.5	23.4	24.3	23.9	22.8	22.5	Rounds to 23	Rounds to 24			<p data-bbox="1249 173 2063 245">Read the fact file about J.K. Rowling and then answer the questions.</p> <h2 data-bbox="1451 331 1951 384">J.K. Rowling Fact File</h2> <div data-bbox="1272 424 1402 451"> <p>Biography</p> </div> <p data-bbox="1272 464 1845 667">Going from having no job to being a multi-millionaire in the space of 5 years, J.K. Rowling's story is almost as amazing as Harry Potter's! She is the best-selling living author in the UK and her books are popular all over the world. Rowling has named Jane Austen and C.S. Lewis as a few of her favourite writers.</p> <p data-bbox="1272 695 1845 932">She was born Joanne Rowling on 31st July 1965, in Gloucestershire. Joanne enjoyed writing fantasy stories from an early age, reading them to her younger sister. Having graduated from university, she moved to London to work as a researcher for Amnesty International, an organisation which works to protect human rights around the world. Rowling also lived and worked in Manchester.</p> <p data-bbox="1272 960 2130 1197">It was in 1990, when she was on a delayed train journey from Manchester to London that the idea for a series of books came into her head. Sadly, during the writing of the first Harry Potter book, her mother died. Rowling decided to introduce more detail about the loss of the main character's parents as she knew how it felt. Joanne used her own life as inspiration for many other ideas in the book, for example, her parents met at Kings Cross Station which is where Harry Potter catches the train to school.</p> <p data-bbox="1272 1225 2130 1461">After living and working as an English teacher in Portugal, Rowling moved to Edinburgh with her daughter. Those early days of living in Scotland weren't easy for Joanne as she had no job. She gave her spare time to finishing her book. When the story was finally complete, it was sent to 12 different publishing houses, all of which turned it down. In 1997, the book was finally published by Bloomsbury under the name J.K. Rowling. As Joanne didn't have a middle name, she used her grandmother's name, 'Kathleen' in her initials. Shortly after, the book won its first award and proved to be very popular. She later released the next book, 'Harry Potter and</p> <div data-bbox="1861 419 2130 711"> <table border="1"> <tr> <td>Name:</td> <td>Joanne Rowling</td> </tr> <tr> <td>Born:</td> <td>31st July 1965</td> </tr> <tr> <td>Place of birth:</td> <td>Gloucestershire, UK</td> </tr> <tr> <td>Occupation:</td> <td>Writer, Author</td> </tr> </table> </div>  <p data-bbox="1861 1121 2130 1133"><small>Photo courtesy of 1798 - granted under creative commons license</small></p>	Name:	Joanne Rowling	Born:	31st July 1965	Place of birth:	Gloucestershire, UK	Occupation:	Writer, Author
23.1	23.2	24.4																					
23.5	23.4	24.3																					
23.9	22.8	22.5																					
Rounds to 23	Rounds to 24																						
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Born:	31st July 1965																						
Place of birth:	Gloucestershire, UK																						
Occupation:	Writer, Author																						

- Using the digit cards below, how many numbers can you make with one decimal place that would round to 45. You can only use each card once per number.



Can you make more or less numbers that round to 46?

If you were given this number card:



How many numbers could you make that round to 47?

the Chamber of Secrets', followed by 'Harry Potter and the Prisoner of Azkaban'. The next book in the series, Harry Potter and the Goblet of Fire, broke sales records in both the UK and America. Rowling was also named Author of the Year at the 2000 British Book Awards and awarded an OBE for writing such popular children's books.



Photo courtesy of vegemagraphics/Wiktor - granted under creative commons license

The final book in the series, Harry Potter and the Deathly Hallows, was released in 2007 and became the fastest-selling book in history. Since the last Harry Potter book, Rowling has written other books linked to the original Harry Potter series. She has also written stories for adults and continues to write more new material.

Today, original copies of Harry Potter and the Philosopher's Stone sell for around £20,000 and the series has been translated into 65 languages. The books were also made into very successful films.

Now answer the following questions in full sentences.

- When and where was she born?
- Name one of Rowling's favourite authors.
- Explain why she moved to London.
- Where did Joanne come up with the idea for the Harry Potter series?
- Can you explain how the death of her own mother affected her writing?
- What did the publishers think about Joanne's full name being printed on her books?
- What could one of the original copies of Harry Potter and the Philosopher's Stone sell for?
- If you have read all of the Harry Potter books or seen the films, which is your favourite and why?

Wednesday

Task 1

Converting Decimal Tenths and Hundredths to Fractions

Converting decimals tenths and hundredths to fractions couldn't be easier - all you need is a place value chart! To convert from a decimal into a fraction, we write the number on the place value chart then **read the number off the place value chart.**

0.7=

Ones	tenths
0	.
	7

No ones and 7 tenths. So the fraction is... $\frac{7}{10}$!

A. Write these decimals into the place value chart. Read the place value and write the decimal as a fraction. The first question has been completed for you.

Decimal	Place Value Chart		How many tenths?
0.7	Ones	tenths	7 tenths = $\frac{7}{10}$
	0	.	
0.3	Ones	tenths	
		.	
zero point two	Ones	tenths	
		.	
0.4	Ones	tenths	
		.	
0.1	Ones	tenths	
		.	
0.9	Ones	tenths	
		.	
zero point eight	Ones	tenths	
		.	

Working with hundredths is similar except we need to include the tenths too. There are 10 hundredths in a tenth.

0	t	hundredths
0	.	7
		3

We have 73 hundredths - therefore $\frac{73}{100}$

Task 2

“Every Ollivander wand has a core of a powerful magical substance, Mr. Potter. We use unicorn hairs, phoenix tail feathers and the heartstrings of dragons. Try this one. Beechwood and dragon heartstring. Nine inches. Nice and flexible. Just take it and give it a wave.”

TASK: Design and label your own wand.



VOLDEMORT HARRY HERMIONE RON

HOW?

- ✓ Give it a suitable **name**. (Names that suggest magic and wonder, etc.)
- ✓ What kind of wood is it made from?
- ✓ What does it have for its core?
- ✓ How long is it?
- ✓ What kind of spells is it especially good for?
- ✓ Any other **special design features**? (For example, an extra-comfort grip, detailed carvings, an anti-rebound feature.)

B. Complete the table.

Decimal	Place Value Chart			How many hundredths?
	Ones	tenths	hundredths	
0.73	0	7	3	73 hundredths = $\frac{73}{100}$
0.20	0			
zero point four six	0			
nought point nought 4	0			
0.42	0			
0.66	0			
0.99	0			

C. What do you think this decimal is as a fraction?

0		t	h	th
0	.	0	0	7

Task 1

Thursday

- Complete the table:

Fraction	Decimal
$\frac{6}{10}$	
	0.2
$\frac{37}{100}$	
	0.68

- Match the fraction to the correct decimal.

$$\frac{6}{10}$$

$$\frac{6}{100}$$

$$\frac{53}{100}$$

$$6.1$$

$$0.06$$

$$0.6$$

$$0.53$$

$$5.3$$

Task 2

Answer the following questions in your book in full sentences:

1. What does Harry dream about before he is woken up?
2. What does Harry like about his appearance and why?
3. List the presents Dudley has opened.
4. Why does Dudley cry? Is he really upset?
5. What is the magical event mentioned including school?
6. What type of ice cream does Harry receive? Why?
7. How does the snake behave towards Harry?
8. What does the snake say to Harry when it escapes?

- Fill in the missing numbers below so the fractions and decimals are equivalent in each row of the table. One has been done for you.

Fraction	Decimal
$\frac{35}{100}$	0.35
$\frac{4}{100}$	0.2_
$\frac{_}{10}$	_.4
$\frac{50}{_}$	0. _

Task 1

Friday

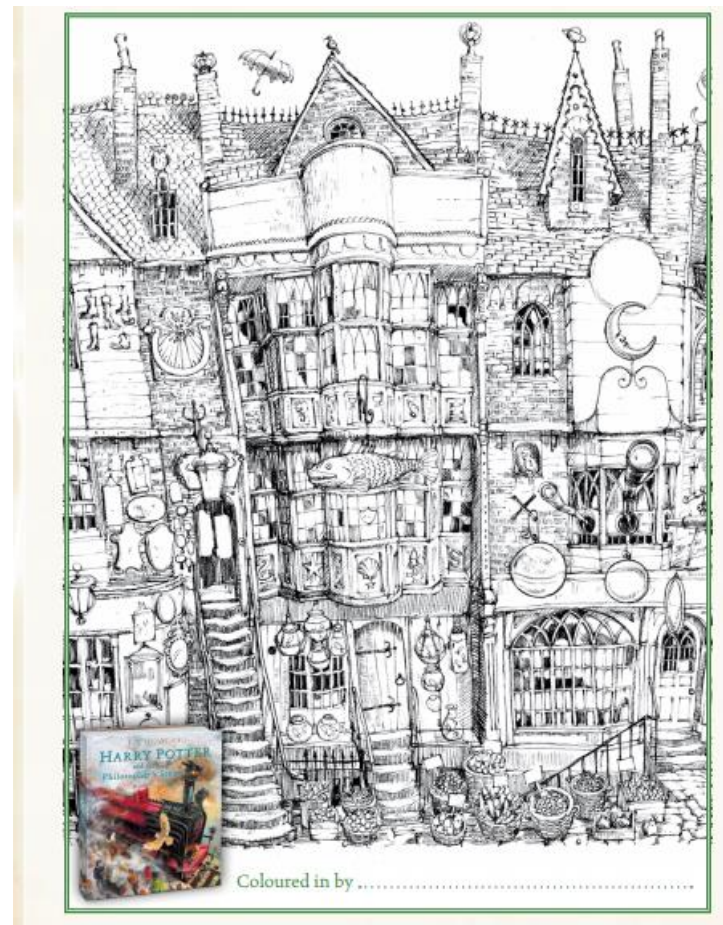
Complete the Year 4 Maths Skills Test 1 below.

Do your best!



Task 2

Here is a picture of part of Diagon Alley, the magical street where Harry Potter and his wizarding friends buy their magical supplies. Copy the picture and add in some extra shops on each side. Colour your picture carefully after you have finished.




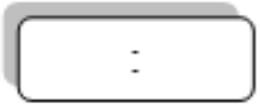
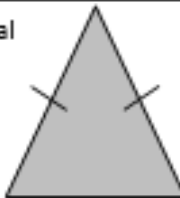


Name: _____

Date: _____

Class/Group: _____



A: Place Value, Add and Subtract		B: Multiply, Divide and Fractions		C: Measure and Geometry	
1. What is the missing number? 18 <input type="text"/> 36 45 54	4:1	11. $42 \div 6 =$	4:9	21. How many metres (m) are in 3.5 kilometres (km)?	4:19
2. What is the missing number? 49 56 63 <input type="text"/> 77	4:1	12. Two factors of 28 add up to 9. What are they?	4:10		
3. What is 1,000 more than 150?	4:2	13. $234 \times 5 =$	4:11	22. The sides of a rectangle are 2m and 6m. 	4:20
4. Round this number to the nearest 10: 1,543	4:2	14. In a class of 18 there are 2 girls for every 1 boy. How many girls are there?	4:12		
5. What is $3 - 5$?	4:3	15. $\frac{1}{3} = \frac{?}{15}$ 	4:13	23. About how much is in this 1 litre jug? Write a, b or c.  a. about 250ml b. about 550ml c. about 750ml	4:21
6. What is the value of the 2 in this number? 2,789	4:4	16. What is the missing number? 1.72 1.73 1.74 <input type="text"/> 1.76	4:14		
7. Write the number 22 in Roman numerals.	4:5	17. $\frac{3}{13} + \frac{6}{13} =$	4:15	24. How would 2 pm be shown on a <u>24 hour</u> digital clock? 	4:22
8. $4,528 - 216 =$	4:6	18. Write $\frac{1}{4}$ as a decimal number.	4:16		
9. Write the sum to check $239 + 154 = 393$: <u>393</u> - <input type="text"/> = <input type="text"/>	4:7	19. $23 \div 100 =$	4:17	25. What is the special name for this type of triangle? 	4:23
10. I have £1. I spend 34p then 45p. How much do I have left?	4:8	20. Round 3.4 to the nearest whole number.	4:18		
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	

