

Hello Year 4!

We hope you have had a lovely Easter break with your families and are keeping safe!

We have set up your learning for the next week as daily slides for you to follow.

Please follow the instructions on each page to help you - we look forward to hear about how you have got on!

Miss Hill and Mrs Brown

Notes for Maths Online Learning

- You will need a pencil and a piece of paper, if you have a pad you can keep working from, this would be ideal.
- All MyMaths Online lessons will be available for the week for you to complete. We will be able to access it each day to see how you got on and if you have completed the task we have set.
- After some sessions there will be an '**extra**' activity if you would like some additional reasoning work to do.
- We will endeavor to provide lessons and activities which you will not need to print off.



St Catherine's Classroom Beliefs

- Mistakes are valuable.
- Everyone can learn maths to the highest level.
- Questions are really important.
- Depth is more important than speed.
- Maths is about making connections.

Session 1



Comparing Decimals:

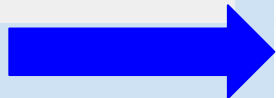
- Use your understanding of place value.
- The value of 0 as a place holder.
- Consider which digit you will need to use to compare the decimals
- Draw yourself a place value grid to help
- Draw the counters to help

Tens 10	Ones 1	 Tenths 0.1	Hundredths 0.01

Monday 20th April

We will be learning using MyMaths Online.
Follow the lesson and complete the activity

Complete
activities 1-9 to
refresh your
knowledge of
decimals



 Lesson | Decimal number lines

	Chapter title
1	
2	1 Finding decimals on number lines >
3	2 Drag and drop numbers onto the line >
4	3 Drag and drop numbers onto the line >
5	4 Finding hundredths on a number line >
6	5 Drag and drop numbers onto the line >
7	6 Drag and drop numbers onto the line >
8	7 Fill in the missing boxes >
9	8 Fill in the missing boxes >
	9 Beat the clock >

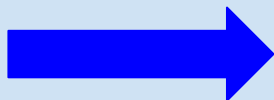
Objectives:

- Placing decimals on a number line
- Counting on and back in decimal sequences

Monday 20th April

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Follow the lesson and complete the activity

You can practise first and then
complete the online homework.



 Online Homework | Decimal number lines

Q1
0
6

Q1 – Reading tenths and hundredths
Write down the decimal that each arrow points to.

A

B

C



A =

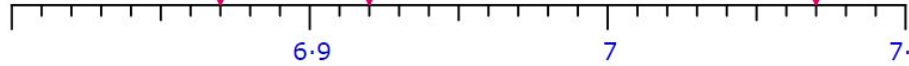
B =

C = [3]

D

E

F



D =

E =

F = [3]

Q2
0
6

No calc

Total
0
12

Mark it

Monday 20th April

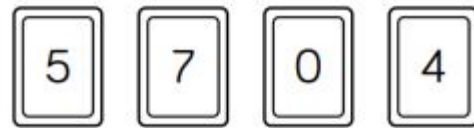
Extra Activity

Use each digit card **once** to make the statement correct.



$$\underline{3}.\underline{}\underline{} > \underline{}.\underline{}\underline{}}$$

Can you find eight different possible solutions?



Use three digit cards to make the greatest possible number.



Use three digit cards to make the smallest possible number.



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Session 2



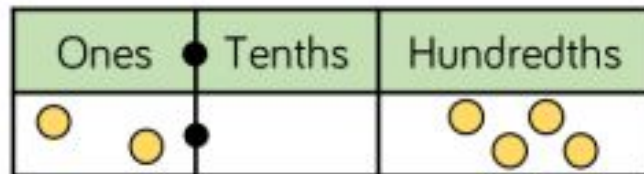
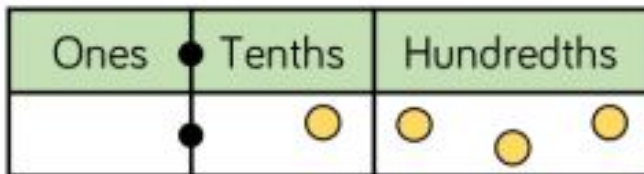
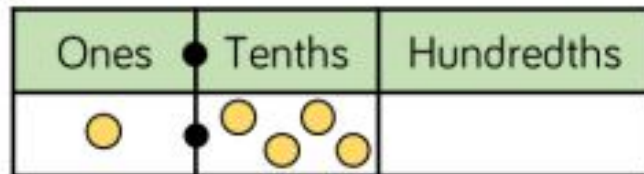
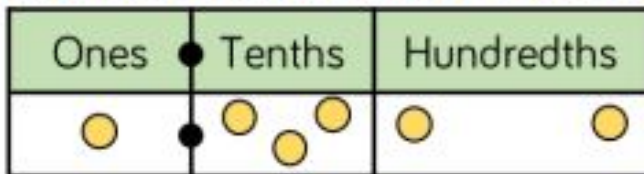
Ordering Decimals:

- Use your understanding of place value.
- The value of 0 as a place holder.
- Consider which digit you will need to use to compare the decimals
- Draw yourself a place value grid to help
- Draw the counters to help

Tens 10	Ones 1	 Tenths 0.1	Hundredths 0.01

Tuesday 21st April

Write down the decimals represented in the place value grid and then place them in ascending order.



Place the numbers in descending order.

46.2

9.64

46.02

40.46

Tuesday 21st April

E.g.

Less than 3.18 $3.1\underline{2} < 3.1\underline{8} < 3.1\underline{9}$ Greater than 3.18

Complete.

1.11 1.12 1.13

0.1__ < 0.1__ < 0.15

3.32 3.23 2.32

1.9__ < 1.9__ < 2.01

4.44 4.34 4.04

6.67 > 6.__7 > 6.37

E.g.

Less than 0.27

$0.2\underline{3} < 0.2\underline{7} < 0.2\underline{9}$ Greater than 0.29

Tuesday 21st April

Spot the Mistake

Rosie is ordering some numbers in ascending order:



$0.09 < 0.99 < 10.01 < 1.35 < 9.09$

Can you explain her mistake?

Some children have planted sunflowers and have measured their heights.

Child	Height
Beth	1.23 m
Tony	0.95 m
Rachel	1.02 m
Kate	1.2 m
Faye	99 cm
Emma	0.97 m



Order the children based on the heights of their sunflowers in both ascending and descending order.

Tuesday 21st April

Extra Activity

Accurately measure some objects in your house

Your family's heights

Books

Toys



And put them in height order accurately!



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Session 3



Rounding Decimals:

- Use your understanding of place value.
- The value of 0 as a place holder.
- Considering the value of the number in the tenths or hundredths
- Rules of rounding
 - Greater than half way round up!

Tens 10	Ones 1		Tenths 0.1	Hundredths 0.01

Wednesday 22nd April

Review: What is an integer?

- An integer is a positive or negative number with no fractional parts. Zero is also an integer.
- *For example: -4, 4, -5, 5, -121, 121 ...*



Ask your grown up for any number between 1 and 10 with one decimal place. e.g. 4.1

Which whole numbers does the decimal lie between?

Which whole number is the decimal closer to on the number line?

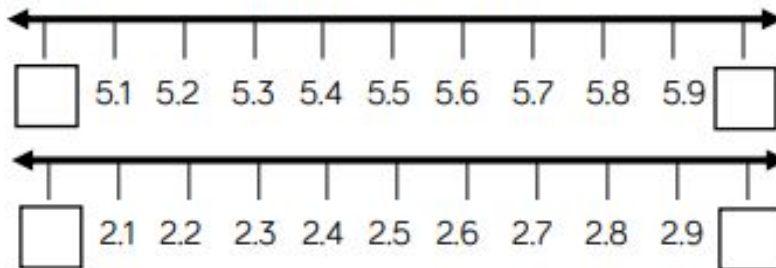
Which column do we focus on when rounding to the nearest whole number?

Which digits in the tenths column do not round up to the nearest whole number?

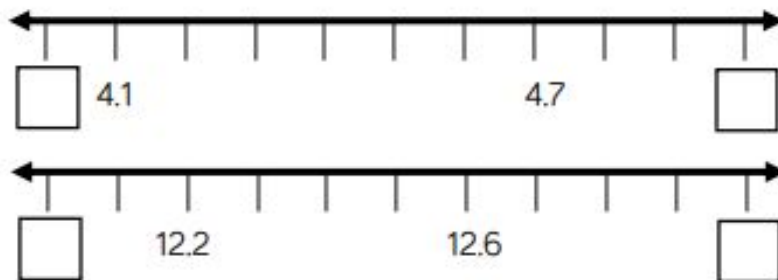
Which digits in the tenths column round up to the nearest whole number?

Wednesday 22nd April

Which integers do the decimals lie between?



Complete the sentences to describe each decimal.



___ is closer to ___ than ___

___ rounds to ___ to the nearest whole number.

Wednesday 22nd April

Circle the numbers that round up to the nearest whole number.

4.5

3.7

2.3

4.2

16.8

1.9

Wednesday 22nd April

Mo says 0.4 rounded to the nearest whole number is zero.

Whitney says 0.4 rounded to the nearest whole number is one.

Who is correct? Why?

A number with one decimal place rounded to the nearest whole number is 45

What could the number be?

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Session 4



Rounding Decimals:

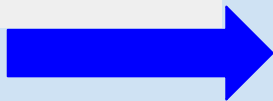
- Use your understanding of place value.
- The value of 0 as a place holder.
- Considering the value of the number in the tenths or hundredths
- Rules of rounding
 - Greater than half way round up!

Tens 10	Ones 1		Tenths 0.1	Hundredths 0.01

Thursday 23rd April

We will be learning using MyMaths Online.
Follow the lesson and complete the activity

Complete
activities 1-9 to
deepen your
understanding of
rounding
decimals



Lesson Estimates with decimals	
	Chapter title
1	
2	1 Estimating on a number line >
3	2 Making decimals on a number line >
4	3 Number line rounding game >
5	4 Balloon pop >
6	5 Pairs game >
7	6 Solving problems by rounding >
8	7 Estimating calculations by rounding >
9	8 Estimate choice >
	9 Beat the clock >

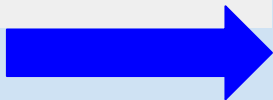
Objectives:

- Estimating decimals on a number line
- Rounding decimals, including money, to the nearest whole number
- Solving division problems and estimating calculations by rounding

Thursday 23rd April

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Follow the lesson and complete the activity

You can practise first and then
complete the online homework.



 Online Homework | Estimates with decimals Menu

Q1

0
9

Q1 – Rounding and number lines [3]

Round to the nearest whole number:

3.6

7.9

1.5

Round to the nearest pound: [3]

£1.81 £

£6.07 £

£2.50 £

Q2

0
9

No calc

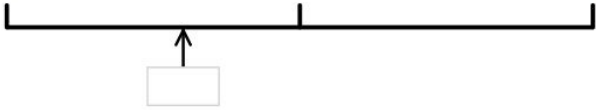


Total

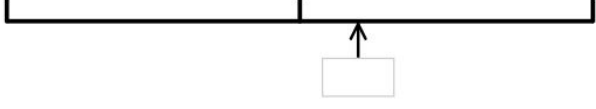
0
18

What are these numbers? [3]

3 4



8 9



6 7



Mark it

Thursday 23rd April

Extra Activity

Event: Long Jump			Challenge
Name	Distance	Distance rounded to nearest whole number	Distance rounded to the nearest tenth
Girls Event			
Sarah	1.21m		
Emma	1.19m		
Emily	1.12m		
Boys Event			
Sam	2.14m		
Dan	2.15m		
Mark	2.19m		



Rounding to the nearest tenth is optional.
Have a go as a challenge!

Round all the distances to the nearest metre (whole number)

Which athlete won the long jump?

Is this a fair way to decide who one do you think?

Challenge - Have a go if you want to

Round the distances to the nearest tenth (one decimal place)

Did the same athlete win?

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Session 5



Decimals and Fraction equivalents.

- Make links between decimals and fractions.
- Know the decimal / fraction pairs for a quarter, half and three-quarters.
- Recognise and write decimal equivalents of any number of tenths or hundredths.

Halves, Quarters and Three Quarters as Decimals

Year 4 - Number - fractions (including decimals)

 = $\frac{1}{2}$ = 0.5

 = $\frac{1}{4}$ = 0.25

 = $\frac{3}{4}$ = 0.75

Friday 24th April

We will be learning using MyMaths Online.
Follow the lesson and complete the activity

 Lesson | Fraction and decimal equivalents

1

2

3

4

5

6

7

8

9

	Chapter title	
1	Why we write $\frac{1}{4}$ as 0.25 in decimal form	>
2	Why we write $\frac{1}{2}$ as 0.5 in decimal form	>
3	Why we write $\frac{3}{4}$ as 0.75 in decimal form	>
4	Your turn	>
5	Tenths as fractions and decimals	>
6	Your turn	>
7	Hundredths as fractions and decimals	>
8	Your turn	>
9	Comparing fractions and decimals	>

Objectives:

- Know the relationship between fractions and decimals
- Know the equivalent fraction-decimal pairs:
 $\frac{1}{4} = 0.25$, $\frac{1}{2} = 0.50$, $\frac{3}{4} = 0.75$
- Know that $\frac{1}{10}$ is equivalent to 0.1 and $\frac{1}{100}$ is equivalent to 0.01
- Recognise and write decimal equivalents of any number of tenths or hundredths

1

2

3

4

5

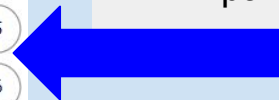
6

7

8

9

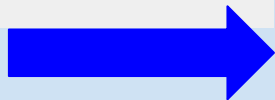
Complete activities 1-9 to revise the equivalent decimal fraction pairs



Friday 24th April

We will be learning using MyMaths Online.
Follow the lesson and complete the activity

You can practise first and then
complete the online homework.



The screenshot shows the MyMaths Online interface for a fraction and decimal equivalence activity. The top navigation bar includes the 'Online Homework' logo and the title 'Fraction and decimal equivalents'. A 'Menu' button is visible in the top right corner.

The main content area displays 'Q1 Q1 - Fraction and decimal pairs'. Below the title, instructions state: 'Drag the tiles to pair up the fractions with their decimal equivalents. But watch out! Some of the numbers do not match up.'

On the left side, there is a vertical sidebar with a 'Q1' section showing a score of 0/5, a 'Q2' section showing a score of 0/4, and a 'Total' section showing a score of 0/9.

The central workspace contains several blue tiles with numbers and fractions:

- 0.5
- $\frac{1}{2}$
- $\frac{2}{10}$
- 0.2
- $\frac{1}{4}$
- 0.23
- $\frac{23}{100}$
- 0.25
- $\frac{66}{100}$
- 0.1
- $\frac{1}{10}$
- $\frac{2}{3}$
- $\frac{4}{5}$
- $\frac{7}{10}$

On the right side, there are five pairs of empty boxes for matching, each with a '[1]' mark next to it:

- Pair 1: [?] [?] [1]
- Pair 2: [?] [?] [1]
- Pair 3: [?] [?] [1]
- Pair 4: [?] [?] [1]
- Pair 5: [?] [?] [1]

A 'Mark it' button is located in the bottom right corner.

Ultimate Times Table Quiz

- Give yourself 20 minutes to complete
- Print it off if you can
- Ask someone to read each question to you
 - You could say next if you want to come back to it!
- Write them all down first and then start the quiz if you haven't got a printer
 - You could design a new looking quiz!

