Year 5	Maths	English	Science	Art	Geography
Wc 8th June	White Rose daily activities to be completed in maths books www.whiterosemaths.com/homelearning/year-5/ (Week 7 on website) Lesson 1: Decimals as fractions Lesson 2: Understand thousandths Lesson 3: Rounding decimals Lesson 4: Order & Compare decimals Watch the videos and answer the questions in your books. Worksheets will be provided on the pages below for you to use. --- White Rose is also linked to BBC Bitesize so you could choose to complete the daily activities (in your maths book) from this website instead. https://www.bbc.co.uk/bitesize/dailylessons _____ Plus TT Rockstars 5 times a week MyMaths activities SAMLearning activities Sumdog activities	IDL activities SPAG.com activities SAMLearning activities Complete the Year 5 English daily activities on BBC bitesize – looks at a range of grammar – these can be done in your workbooks.https://www.bbc.co.uk/bitesize/dailylessons Reading Read J.K Rowling's new fairy-tale novel, The Ickabog. New chapters will go live daily. https://www.theickabog.com/read-the-story/ Writing Watch Jane Considine's Sentence stacking videos on YouTube to build sentences into paragraphs. Jane Considine teaches these lessons daily at 9:45am. You can subscribe **for free** to get daily reminders of the lesson beginning. https://mailchi.mp/thetrainingspace.co…/webinar-subscription **Or** search 'Jane Considine sentence stackers' on YouTube to watch earlier lessons.	This week's topic from BBC bitesize is: **'How do humans change in their lifetime?'** https://www.bbc.co.uk/bitesize/topics/zgssgk7/articles/z2msv4j	ILLUSTRATION COMPETITION! J.K Rowling would like you to design the illustrations for her new fairy-tale, The Ickabog. Details are as follows: https://www.theickabog.com/competition/ **History** Recap lesson: Who were the Ancient Greeks? https://www.bbc.co.uk/bitesize/topics/z87tn39/articles/zxytpv4 Can you draw your own map and outline all the Greek colonies? **Challenge question:** What do BC and AD mean? If you need to speak to Miss Porter, Mrs King or Mrs Bateman please email us on yr5teacher@unity.fcat.org.uk We look forward to seeing your work either by email or on twitter @UnityPhase3	Research what the following words mean on a world map: Latitude Longitude This video may help you https://www.bbc.co.uk/bitesize/topics/zvsfr82/articles/zd4rmfr Activity: Draw a world map with the lines of latitude and longitude. Can you find any points around the world? Latitude: 20S Longitude: 140W Place: Latitude: 40S Longitude: 20W Place:

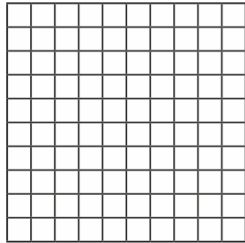## Decimals as fractions (2)

1 This grid represents 1
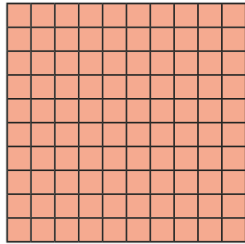
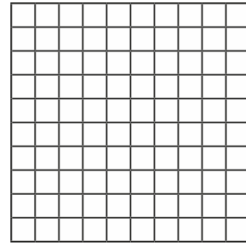This grid represents 0.1 or $\frac{10}{100}$ or $\frac{1}{10}$
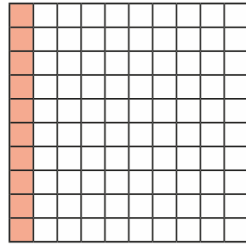
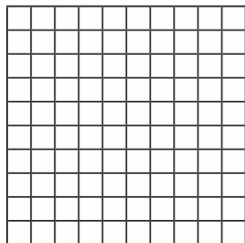Colour the hundred squares to represent the fractions.
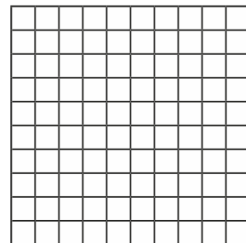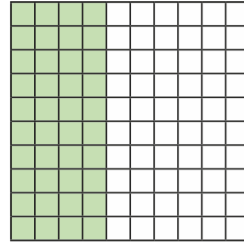
a) $\frac{2}{100}$

c) $\frac{20}{100}$

b) $\frac{2}{10}$

d) $\frac{90}{100}$

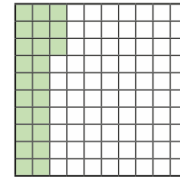**2** Complete the numbers to show how much of the square is shaded.

$\frac{\boxed{}}{100}$

$\frac{\boxed{}}{10}$

$0.\underline{}$

3 What fractions and decimals are represented?

a)

$1\frac{23}{100} = \boxed{}$

b)

$\boxed{} \, \frac{\boxed{}}{100} = \boxed{}$

c)

$\boxed{} \, \frac{\boxed{}}{10} = \boxed{}$

Day 1
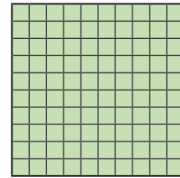
4
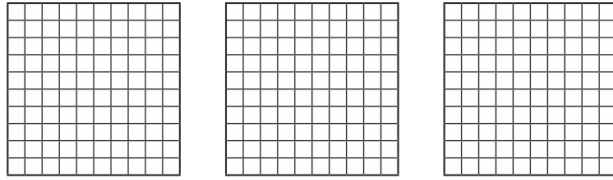
a) Represent 2.15

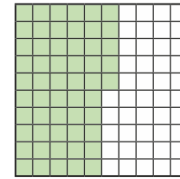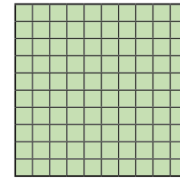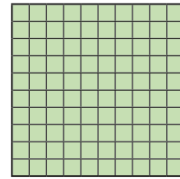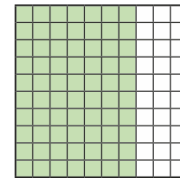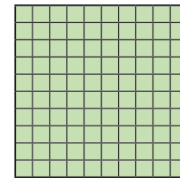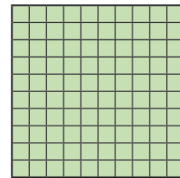**b)** Represent $3\frac{7}{10}$
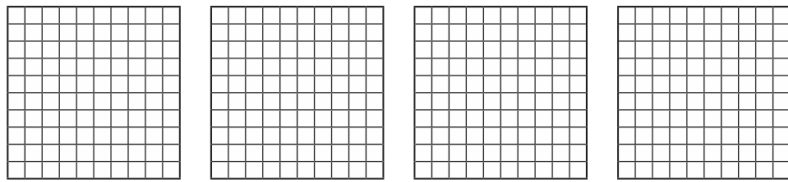
5

a) Label the number line with the decimals.

| 1.3 | 1.6 | 1.85 | 1.98 |

1.0   2.0
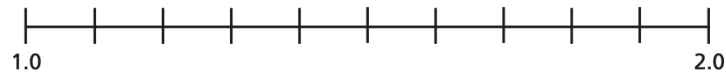
b) Label the number line with the fractions.

| $5\frac{1}{10}$ | $5\frac{1}{2}$ | $5\frac{73}{100}$ | $\frac{590}{100}$ |
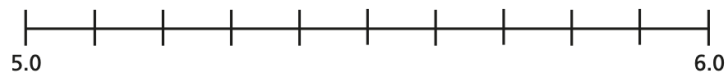
5.0   6.0

6

Complete the table.

Decimal	Decimal (expanded form)	Fraction	Fraction (expanded form)	In words
2.13	2 + 0.1 + 0.03	$2\frac{13}{100}$	$2 + \frac{1}{10} + \frac{3}{100}$	2 ones, 1 tenth and 3 hundredths
4.37		$4\frac{\boxed{}}{100}$		
	5 + 0.6 + 0.02			
				8 ones and 2 hundredths

7

Write the decimals as fractions.
Give your answer as a mixed number.

a) 32.6 = $\boxed{}\frac{\boxed{}}{10}$

c) 13.08 = $\boxed{}\frac{\boxed{}}{100}$

b) 2.03 = $\boxed{}\frac{\boxed{}}{100}$

d) 3.98 = $\boxed{}\frac{\boxed{}}{100}$

8

Use the digits 3, 4 and 5 to complete the decimal number.

| | | . | **0** | |

How many different numbers can you make?

Day 2

1 Tommy is using base 10 to represent decimals.
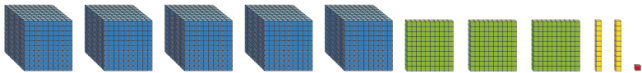
He uses [cube] to represent 1 whole.
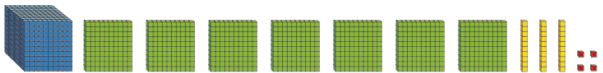
He uses [flat] to represent $\frac{1}{10}$ or 0.1
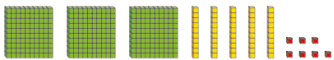
He uses [rod] to represent $\frac{1}{100}$ or 0.01

He uses [small cube] to represent $\frac{1}{1000}$ or 0.01

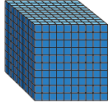What decimals are represented?

a) [base 10 blocks]

[ ]

b) [base 10 blocks]

[ ]

c) [base 10 blocks]

[ ]

2 a) Represent each number using base 10

0.512   1.352   2.003

b) Use your representations to help you complete the statements.

0.512 = 0.5 + 0.01 + [ ]

1.352 = 1 + [ ] + [ ] + [ ]

2.003 = _____

3 Here is a thousand square.
Part of the square has been coloured.

[thousand square image]
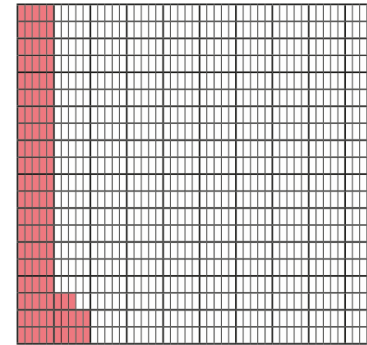
a) Why do you think it is called a thousand square?

_____

b) What fraction of the square has been coloured? $\frac{[\ ]}{1000}$

c) Write the fraction as a decimal.   [ ]

Day 2

4 What fraction of each square has been shaded?

Write each number as a fraction and as a decimal.

a)
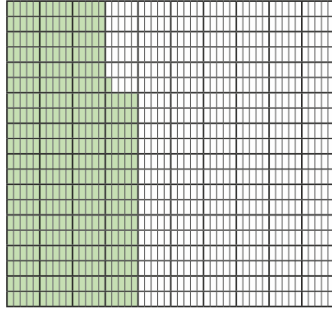
b)

fraction = [ ]

decimal = [ ]

fraction = [ ]

decimal = [ ]

5 Colour the grids to represent the fraction and decimal.

a) $\dfrac{73}{1000}$
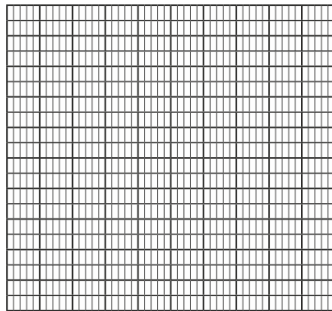
b) 0.302
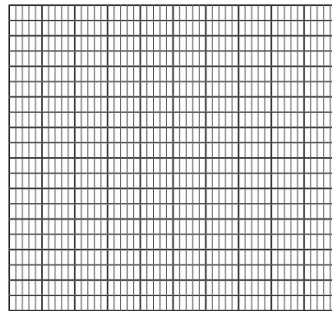
6 Represent these numbers on a place value chart.

a) 1.372   **b)** 0.091   **c)** 3.542

7 Show that $\dfrac{400}{1000}$ is the same as 0.4
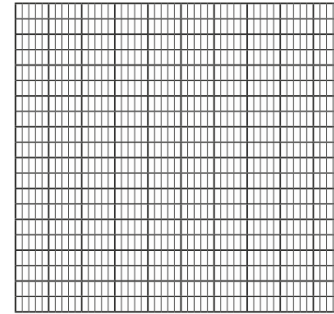
8 Write the numbers represented by the place value charts.

a)

Ones	Tenths	Hundredths	Thousandths
1 1 1 1	0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.001 0.001 0.001 0.001 0.001 0.001

[ ]

b)

Ones	Tenths	Hundredths	Thousandths
	0.1 0.1 0.1 0.1 0.1		0.001 0.001 0.001 0.001

[ ]

Rounding decimals

1 Show the position of each number on the number line.

Use the number line to round these decimals to the nearest whole number.

a) 7.2

7.5

7   8
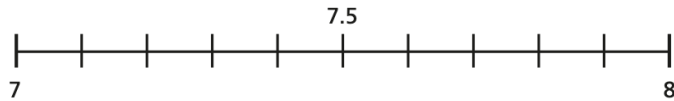
The nearest whole number is [ ]

b) 14.8

14.5

14   15
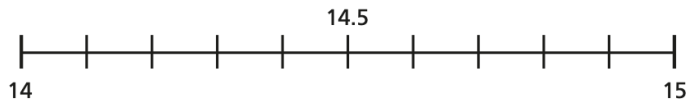
The nearest whole number is [ ]

c) 6.5
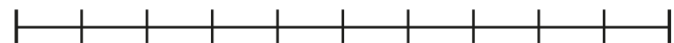
The nearest whole number is [ ]

Explain to a partner how to round decimal numbers to the nearest whole number.

2 Use the number line to round these decimal numbers to the nearest tenth and the nearest whole number.

a) 7.23

7.25

7.2   7.3
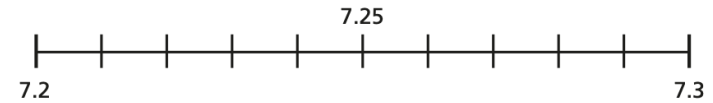
The nearest tenth is [ ]

The nearest whole number is [ ]

b) 14.56

14.55

14.5   14.6

The nearest tenth is [ ]

The nearest whole number is [ ]

c) 6.45

The nearest tenth is [ ]

The nearest whole number is [ ]

Explain to a partner how to round decimal numbers to one decimal place.

Day 3

3 a) When rounding to the nearest tenth, how many digits will there be after the decimal point? ☐

b) Round each number to one decimal place.

1.33 ☐   4.03 ☐
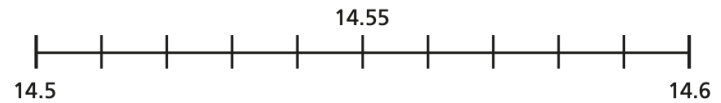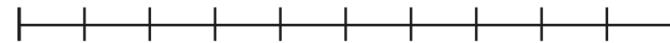
1.34 ☐   4.04 ☐

1.35 ☐   4.05 ☐

1.36 ☐   4.06 ☐

1.37 ☐   4.07 ☐

4 Round each number to the nearest tenth.

a) 4.21 ☐   **d)** 11.86 ☐   **g)** 12.92 ☐

b) 8.09 ☐   **e)** 5.67 ☐   **h)** 10.65 ☐

c) 4.84 ☐   **f)** 0.15 ☐

5 Circle each decimal that rounds to 6.2

6.32   6.23   6.27   6.17   6.12   6.25

Explain your reasoning.

_____

_____

6 Here are the weights in kilograms of some parcels.

3.48 kg   1.42 kg   10.65 kg   1.03 kg

a) Round the weight of each parcel to 1 decimal place.

☐ kg   ☐ kg   ☐ kg   ☐ kg

b) The weight of each parcel has been rounded to the nearest 100 g.

Is this true or false? _____

Talk about it with a partner.

7 Amir is thinking of a number.

Rounded to the nearest whole his number is 5

Rounded to the nearest tenth his number is 4.8

Write at least four different numbers that Amir could be thinking of.

_____

_____

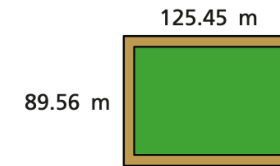**8** A farmer is building a new fence for her sheep field.

Here are the measurements.

125.45 m

89.56 m

She wants to build a fence around the whole field.
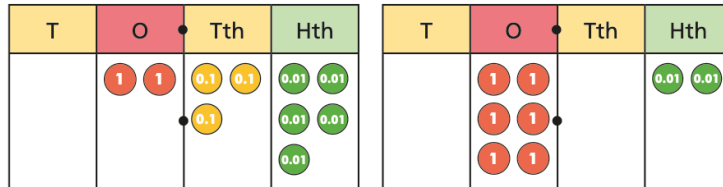
Estimate how much fencing you think she will need.

Talk about your estimate with a partner.

Order and compare decimals

White Rose Maths

1 Which number is greater?

Tick your answer.

T	O	Tth	Hth
	1 1	0.1 0.1 / 0.1	0.01 0.01 / 0.01 0.01 / 0.01

T	O	Tth	Hth
	1 1 / 1 1 / 1 1		0.01 0.01

Explain your answer.

_____

_____

2 Which is the smaller number?

Tick your answer.

T	O	Tth	Hth
10	1 1 / 1 1	0.1 0.1 / 0.1	0.01 0.01 / 0.01 0.01 / 0.01

T	O	Tth	Hth
10	1 1 / 1 1	0.1 0.1 / 0.1 0.1 / 0.1 0.1	
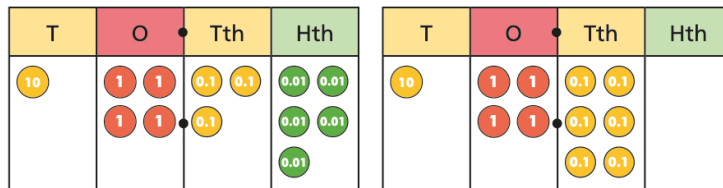
Explain your answer.

_____

_____

3 Use place value counters to make each of the numbers.

| 4.13 | 4.08 | 5.1 |
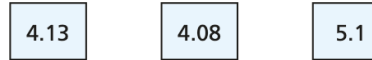
a) Which is the greatest number? ▢

b) Which is the smallest number? ▢

How do you know?
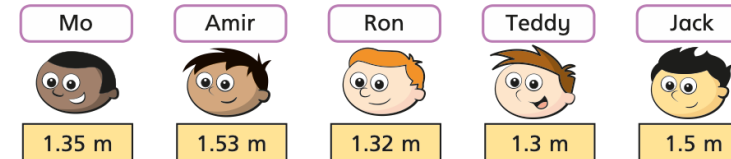
4 Here are some numbers in a place value chart.

Ones	Tenths	Hundredths	Thousandths
3	2	3	4
3	1	6	
3	2	0	8
3	1	4	5

Write the numbers in order, starting with the greatest.

▢ ▢ ▢ ▢

5 Mo, Amir, Ron, Teddy and Jack are measuring their heights with a metre rule.

Mo	Amir	Ron	Teddy	Jack
1.35 m	1.53 m	1.32 m	1.3 m	1.5 m

Write the names and heights of the children in order from shortest to tallest.

Name	Height

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Day 4

6 Alex and Dora are competing in the long jump.

Alex jumps 1.35 metres and Dora jumps 1.4 metres.
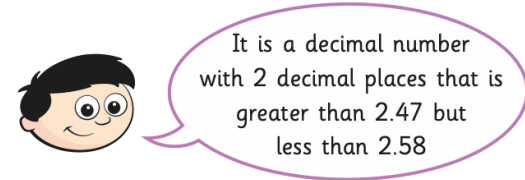
> Alex wins because 35 is greater than 4
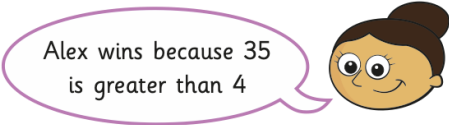
a) Is Dora correct? _____

Talk about it with a partner.

b) Kim joins in the competition.

What is the shortest distance she can jump to go into the lead?

_____

7 Write the numbers in ascending order.

a)   0.45   0.654   0.546   0.405

b)   7.2 kg   7.212 kg   7.21 kg

c)   25.391   25.309   25.093   25.193

8 Dexter is thinking of a number.

> It is a decimal number with 2 decimal places that is greater than 2.47 but less than 2.58

What possible numbers could Dexter be thinking of?

_____

_____

9 Tick the numbers that are equal to 2.5

Circle the numbers that are greater than 2.5

You will need to convert the mixed numbers to decimal numbers first.

2.05	$2\frac{5}{10}$	$2\frac{1}{2}$
$2\frac{5}{100}$	2.53	$2\frac{3}{5}$
2.501	$2\frac{80}{100}$	$2\frac{3}{10}$