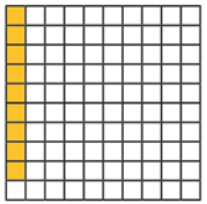
Year 5	Maths	English	Science	Art	Geography
Wc 15th June	White Rose daily activities to be completed in maths books www.whiterosemaths.com/homelearning/year-5/ (Week 8 on website) **Lesson 1:** Understand percentages **Lesson 2:** Percentages as fractions and decimals **Lesson 3:** Adding decimals **Lesson 4:** Adding decimals **Lesson 5:** Challenge cards (page 10) 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 --- TT Rockstars MyMaths SAMLearning Sumdog	IDL activities SPAG.com activities SAMLearning activities --- **Monday:** Watch the video on BBC Bitesize about writing a thank you letter. Complete activity 1 on the website. https://www.bbc.co.uk/bitesize/articles/z6hvgwx **Tuesday:** Make a plan of all the things you would like to thank J.K Rowling (author of Harry Potter) for. Remember – she has published her latest story, for free! **Wednesday:** Write a thank you letter to J.K Rowling. **Thursday:** Complete activity 3: https://www.bbc.co.uk/bitesize/articles/z6hvgwx **Friday:** Complete the SPaG mat (page 11) --- <u>Reading (5 days a week)</u> Read J.K Rowling's new fairy-tale novel, The Ickabog. New chapters will go live daily. https://www.theickabog.com/read-the-story/ --- <u>Writing</u> Search '<u>Jane Considine sentence stackers'</u> on YouTube to watch and complete sentence stacking writing sessions, led by Jane Considine.	This week's topic from BBC bitesize is: **'What are the stages of a plant's life cycle?'** https://www.bbc.co.uk/bitesize/topics/zgssgk7/articles/zyv3jty 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	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** Research key events that happened during the Ancient Greek period. This website may help: https://www.ducksters.com/history/ancient_greek_timeline.php Activity: Create a timeline of the key events.	Research what the following words mean on a world map: Tropics of Cancer Tropics of Capricorn Equator Northern Hemisphere Southern Hemisphere This video may help you https://www.bbc.co.uk/bitesize/topics/zvsfr82/articles/zd4rmfr Activity: Draw a world map with the geographical features of the world. **Challenge:** Find 3 countries in the Southern Hemisphere Find 1 continent in the Northern Hemisphere

Day 1

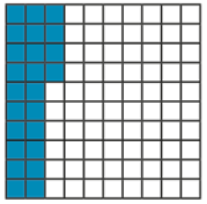
Understand percentages

1 Complete the sentence for each diagram.

a) 

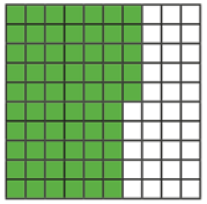
There are ☐ parts out of a hundred shaded.

This is ☐ %.

b) 

There are ☐ parts out of a hundred shaded.

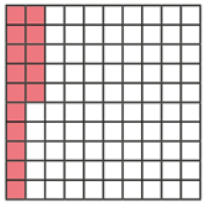
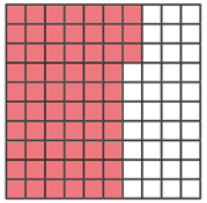
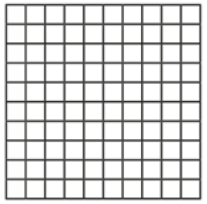
This is ☐ %.

c) 

There are ☐ parts out of a hundred shaded.

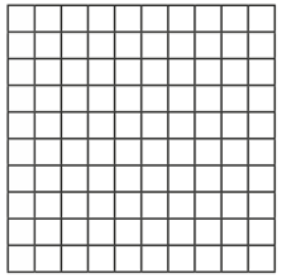
This is ☐ %.

2 Complete the table.

Hundred square	Percentage
	
	
	82%

3 Shade 15% of the hundred square red.

Shade 32% of the hundred square blue.



What percentage of the hundred square is **not** shaded? ☐ %

Day 1

4 **a)** Is 1% of this bar model shaded? _____

Explain your reasoning.

_____

_____

b) What percentage of each bar model is shaded?

☐ %

☐ %

5 Passengers are boarding a plane.

The plane has 100 seats.

a) 10% of the seats are already full.

How many passengers are already on the plane? ☐

b) 15% of the seats have not been booked.

How many seats have been booked? ☐

c) How many passengers still need to board the plane? ☐

6 Dexter has £1 to spend.

He buys some stickers.

What percentage of his money did Dexter spend?

☐ %

7 Aisha and Brett have been selling tickets for the school play.

There are 100 seats available.

- On Monday they sold 34% of the tickets.
- On Tuesday they sold 42 tickets.
- By the end of Wednesday, 95% of the tickets had been sold.

How many tickets did they sell on Wednesday?

On Wednesday they sold ☐ tickets.

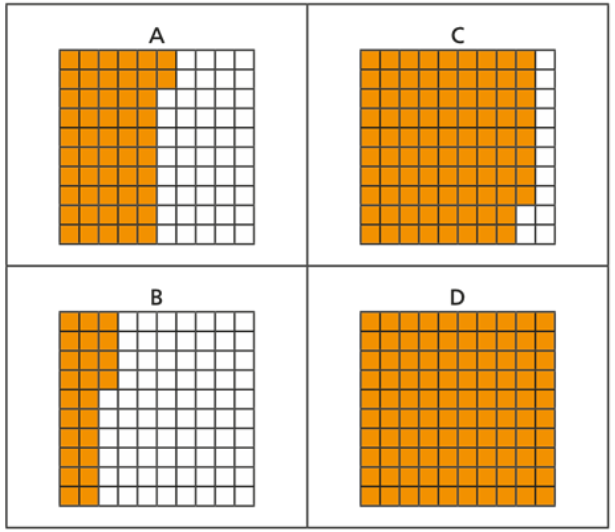
8 Shade 85% of this bar model.

Compare answers with a partner.

Day 2

Percentages as fractions and decimals

1 Here are four hundred squares.

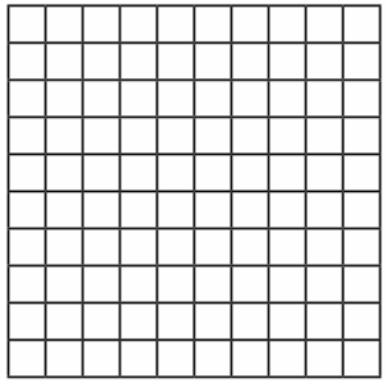


Complete the table.

Hundred square	Percentage	Fraction	Decimal
A		$\frac{52}{100}$	
B			
C			
D			

2 Prove that 0.2 is equal to 20%.

You may use the hundred square to help you.



Why do you think some people think that 0.2 is equal to 2%?

3 Complete the fraction, decimal and percentage equivalents.

a) 32% = $\frac{\square}{100}$ = $\square$

35% = $\frac{\square}{100}$ = $\square$

48% = $\frac{\square}{100}$ = $\square$

b) $\frac{17}{100}$ = $\square$ % = $\square$

$\frac{9}{100}$ = $\square$ % = $\square$

$\frac{90}{100}$ = $\square$ % = $\square$

c) 0.29 = $\square$ % = $\frac{\square}{100}$

0.71 = $\square$ % = $\frac{\square}{100}$

0.03 = $\square$ % = $\frac{\square}{100}$

Day 2

4 Write <, > or = to complete the statements.

a) 50% ◯ $\frac{5}{100}$

b) 25% ◯ $\frac{50}{100}$

c) 14% ◯ $\frac{41}{100}$

d) $\frac{40}{100}$ ◯ 40%

e) $\frac{70}{100}$ ◯ 7%

f) 82% ◯ $\frac{82}{100}$

5 Write the values in order from smallest to greatest.

a) 33% $\frac{30}{100}$ 3% $\frac{13}{100}$

_____

b) 299% $\frac{91}{100}$ 9% $\frac{9}{10}$

_____

c) 2.5 $\frac{25}{100}$ 250 25% of 100 $\frac{25}{1000}$

_____

6 Convert the fractions to hundredths.

Complete the decimal and percentage equivalents.

a) $\frac{150}{300} = \frac{\square}{100} = \square = \square$ %

b) $\frac{25}{500} = \frac{\square}{100} = \square = \square$ %

c) $\frac{48}{300} = \frac{\square}{100} = \square = \square$ %

d) $\frac{18}{50} = \frac{\square}{100} = \square = \square$ %

e) $\frac{13}{25} = \frac{\square}{100} = \square = \square$ %

7 Circle all the fractions that are greater than or equal to 50%.

$\frac{10}{50}$	$\frac{4}{5}$	$\frac{50}{100}$
$\frac{30}{80}$	$\frac{1}{50}$	$\frac{70}{140}$

8 Jack and Dora go shopping with the same amount of money.

Jack spends $\frac{1}{3}$ of his money.

Dora spends 30% of her money.

a) Who spends more money? _____

Use fraction and percentage equivalence to explain your answer.

b) Jack and Dora each started with £300

How much money do they each have left?

Jack ☐ Dora ☐

Day 3

Adding decimals with the same number of decimal places

1 Complete the additions.

Use the place value charts to help you.

a) 4.45 + 3.21 = ☐

Ones	Tenths	Hundredths
1 1 1 1	0.1 0.1 0.1 0.1	0.01 0.01 0.01
+ 1 1 1	0.1 0.1	0.01

		4	• 4	5
+		3	• 2	1
			•	

b) 4.45 + 3.61 = ☐

Ones	Tenths	Hundredths
+		

		4	• 4	5
+		3	• 6	1
			•	

c) 4.45 + 3.78 = ☐

Ones	Tenths	Hundredths
+		

		4	• 4	5
+		3	• 7	8
			•	

Which calculation was easier? Talk about it with a partner.

2 Use the column method to work out the additions.

a)

		5	• 3	
+		2	• 5	
			•	

b)

		6	• 0	3
+		3	• 9	1
			•	

c)

		2	• 3	2
+	1	0	• 1	7
			•	

d)

		6	• 3	7
+		6	• 2	6
			•	

e)

		3	• 1	0	2
+		5	• 8	7	6
			•		

f)

	1	2	• 0	3	4
+		9	• 2	2	7
			•		

g)

		5	• 7	5
		5	• 3	2
+		5	• 0	1
			•	

h)

		1	4	• 9	9
+		1	2	• 3	7
				•	

Day 3

3 Work out the calculations.

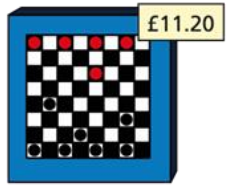
Write <, > or = to make the statements correct.

a) 0.64 + 4.79 ◯ 5.01 + 0.23

b) 7.427 + 3.238 ◯ 5.427 + 5.832

c) 3.08 + 4.63 ◯ 4.84 + 2.87

4 Teddy is working out the total cost of these items.



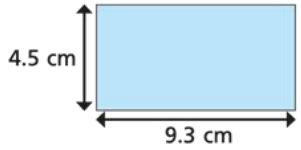
Here are his workings.

$$\begin{array}{r} 5 \cdot 7\ 5 \\ +\ 1\ 1 \cdot 2\ 0 \\ \hline 6\ 8 \cdot 7\ 0 \end{array}$$

Talk to a partner about Teddy's mistake.

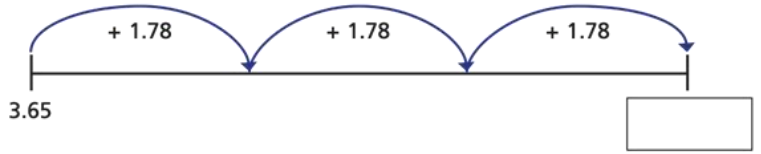
Work out the correct answer.

5 Work out the perimeter of the shape.

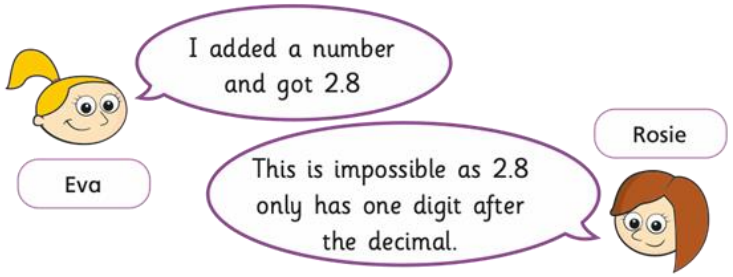


perimeter = ☐ cm

6 Complete the number line.



7 Eva starts with the number 1.62



Is Rosie correct? _____

Talk about it with a partner.

Day 4

Adding decimals with a different number of decimal places

1 Ron is adding 1.4 and 2.53

He makes each number with counters.

Ones	Tenths	Hundredths
●	● ● ● ●	
● ●	● ● ● ● ●	● ● ●

a) What is the answer to Ron's calculation? ☐

b) Explain your method to a partner.

c) Did you have to make an exchange? _____.

2 Work out the additions.

a)

		3	•	0	2
	+	1	•	6	
			•		

c)

		2	•	8	
	+	3	•	4	5
			•		

b)

		1	3	•	5	
	+		0	•	2	3
				•		

d)

			6	•	1	5
	+	1	3	•	9	
				•		

3 Filip is adding two numbers together.

He writes it as a column addition.

$$\begin{array}{r} 1\ 3 \cdot 8 \\ +\ 1 \cdot 9\ 5 \\ \hline 3 \cdot 3\ 3 \\ \hline {\scriptstyle 1\ \ 1} \end{array}$$

a) What mistake has Filip made?

_____

_____

b) Use the column method to work out the correct answer.

4 Use the column method to work out the additions.

a) 2.36 + 1.9

b) 14.82 + 3.7

Day 4

5 Use the column method to work out the additions.

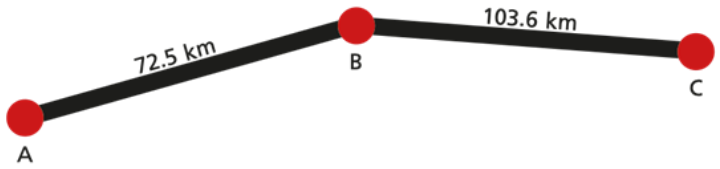
a) 0.59 + 11.9

c) 0.591 + 1.73

b) 77.34 + 1.82

d) 3.2 + 1.84 + 0.931

6 Mr Hall drives from point A to point B, then on to point C.



What is the total distance that Mr Hall drives?

☐ km

7 Here are four number cards.

3.8	4.19	0.72	11.46

a) What is the greatest total you can make by adding two of the numbers?

Complete the calculation.

☐ + ☐ = ☐

b) What is the sum of the four numbers?

☐

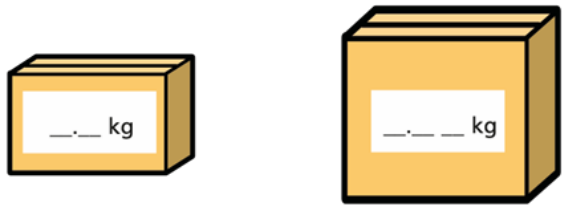
8 Work out the missing digits.

a) __4.3 + 1__.37 = 39.67

b) 4.8__ + __.__ = 12.65

9 The total mass of the two boxes is 10.85 kg.

What could the mass of each box be?



How many answers can you find?

Friday Maths Challenge

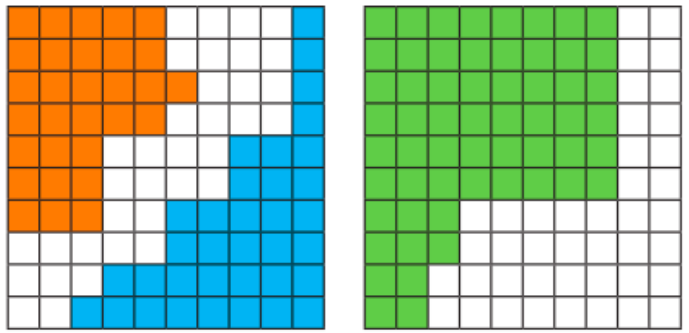
Maths Mastery - Read and Write Decimals as Fractions

1. Draw a number line from 0 to 1. Divide the line into 10 equal parts. Mark all the tenths as decimals and fractions on the line.

Can you repeat this for twentieths?

Maths Mastery - Read and Write Decimals as Fractions

3. For each colour, write down the representation as a fraction, decimal and percentage.



Friday SPaG activity

a

Can you rewrite the reported sentence below as direct speech?

The sandwich shop worker asked politely what she could help the customer with.

_____

_____

b

Write a sentence using the word 'march' as a verb.

_____

_____

_____

c

Write a suitable conjunction in the gap to complete the following sentence.

The children still played the football match _____ it was raining.

d

Mr Whoops has accidentally jumbled up two modal verbs. Can you help him to unjumble them?

odluhs **tghim**

e

Underline the relative clause and circle the modal verb in the following sentence:

Ostriches, which are one of the few flightless birds, can run up to 70 kilometres per hour.

f

Write an exclamation sentence about the picture.

_____

Write a question sentence about the picture.

_____