

Hello children. Welcome to a new week.

Before our main task we are going to work on an activity mat. If a question requires you to shade you can leave out the question or draw the shape in your book. The challenge mat is optional as the main task takes a lot of time.

Maths Mat 1 -

## Year 5 Maths Activity Mat

①

### Section 1

Order these numbers from smallest to largest:  
576 094, 567 094, 576 904, 567 904

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### Section 2

Round these numbers to the nearest 100 000:

367 562	→	<input style="width: 80px; height: 30px;" type="text"/>
453 378	→	<input style="width: 80px; height: 30px;" type="text"/>

### Section 3

Use these signs < or > to show which number is greater than or less than.

48 701	<input style="width: 30px; height: 30px;" type="text"/>	48 710
81 010	<input style="width: 30px; height: 30px;" type="text"/>	80 999

### Section 5

Draw lines to show which fractions, decimals and percentages match.

$\frac{7}{10}$	40%	0.01
$\frac{2}{5}$	1%	0.7
$\frac{1}{100}$	70%	0.4

### Section 6

Complete these calculations:

$6396 \div 3 =$	<input style="width: 80px; height: 30px;" type="text"/>
$1333 \times 2 =$	<input style="width: 80px; height: 30px;" type="text"/>

### Section 4

Convert these measurements in litres to millilitres:

12.43l =	<input style="width: 80px; height: 30px;" type="text"/>
6.8l =	<input style="width: 80px; height: 30px;" type="text"/>



### Section 7

A shop assistant sold £845 worth of perfume. This was £258 more than yesterday. How much did she sell yesterday?

### Section 8

Write these Roman numerals as digits:

CCLXVI	<input style="width: 80px; height: 30px;" type="text"/>
CCCLXXIV	<input style="width: 80px; height: 30px;" type="text"/>



For the main task we are going to continue to work from the White Rose site. We are going to learn about decimals.

Please follow the link carefully.

Please let the video guide you when tackling the activity.

1. Copy or click on the link (press Ctrl then click) <https://whiterosemaths.com/homelearning/>

**Then click Year 5**

**Summer Term Plans**  
White Rose Maths in partnership with the BBC Bitesize Daily team has developed a 12-week learning programme for the summer term. This scheme is designed to help children be ready for their next year of school.  
[Click here for more details](#)

**Hello there, Parents and Carers!**

As schools worldwide close for now in response to COVID-19, you might be wondering how best to help your child or children with their studies at home.

Always happy to help, the White Rose Maths Team has prepared a series of five maths lessons for each year group from Year 1-8. We will be adding five more each week for the next few weeks. Every lesson comes with a short video showing you clearly and simply how to help your child to complete the activity successfully.

**Home Learning**

- Summer Term
- Easter Fun
- Home Learning - Early Years
- Home Learning - Year 1
- Home Learning - Year 2
- Home Learning - Year 3
- Home Learning - Year 4
- Home Learning - Year 5
- Home Learning - Year 6
- Home Learning - Year 6
- Home Learning - Year 7
- Home Learning - Year 8
- Home Learning - Year 9
- Home Learning - Year 10

**Early Years** **Year 1** **Year 2**

**Year 3** **Year 4** **Year 5** ← **click**

**Year 6** **Year 7** **Year 8**

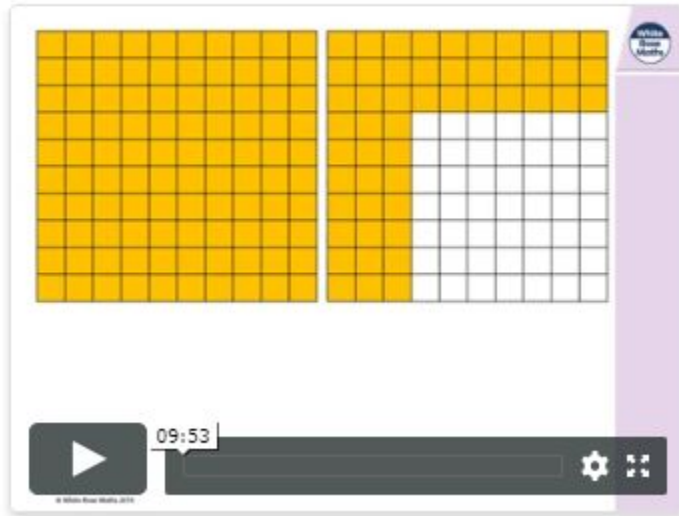
**Year 9** **Year 10** **By Topic**

Click

Summer Term - Week 7 (w/c 8th June)

**First, watch the video to support your learning and use it to work on the activity sheets below.**

## Lesson 1 - Decimals as fractions



Looking for the worksheets? Contact your teacher to check if they have a subscription to [Maths for All](#). Alternatively, [read more here](#) or get them from [BBC Bitesize](#).

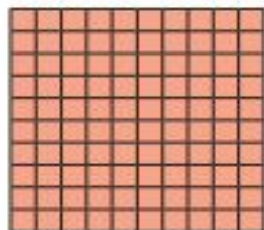
 **Already covered this content**

[Click here to find an alternative plan.](#)

**Question 1 requires you to shade the shape. If you cannot print your workout you can skip this question.**

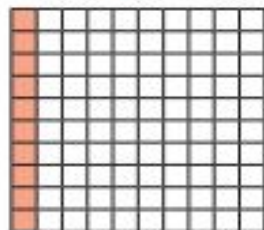
## Decimals as fractions (2)

- 1 This grid represents 1



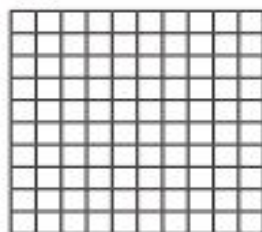
This grid represents 0.1 or

$$\frac{10}{100} \text{ or } \frac{1}{10}$$

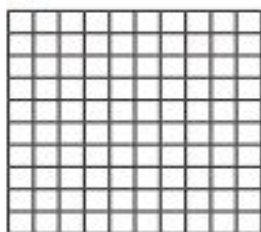


Colour the hundred squares to represent the fractions.

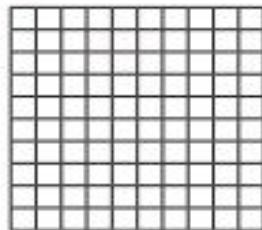
a)  $\frac{2}{100}$



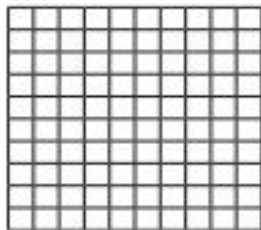
c)  $\frac{20}{100}$



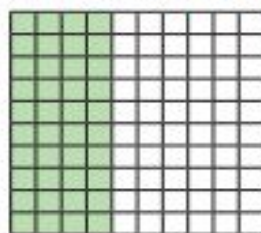
b)  $\frac{2}{10}$



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



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



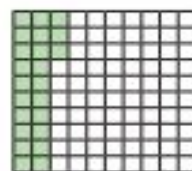
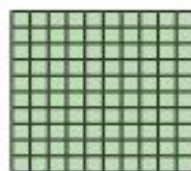
$$\frac{\square}{100}$$

$$\frac{\square}{10}$$

$$0.\square$$

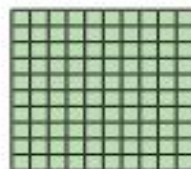
- 3 What fractions and decimals are represented?

a)



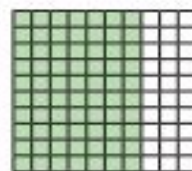
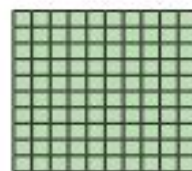
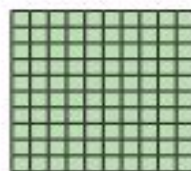
$$1 \frac{23}{100} = \square$$

b)



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

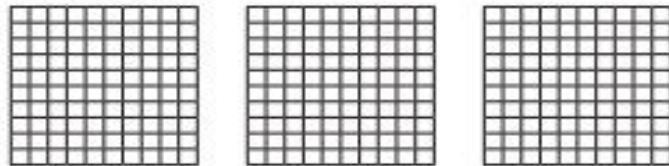
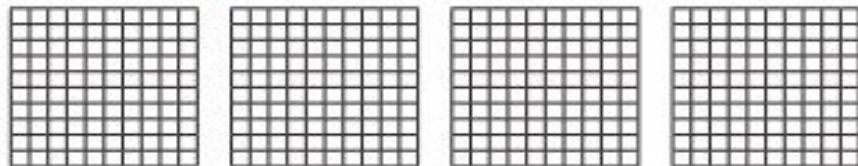
c)



$$\square \frac{\square}{10} = \square$$

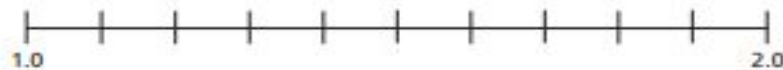
4

a) Represent 2.15

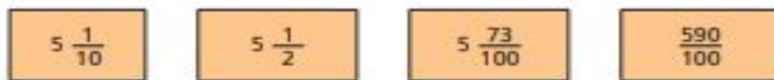
b) Represent  $3\frac{7}{10}$ 

5

a) Label the number line with the decimals.



b) Label the number line with the fractions.



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		$4\frac{\square}{100}$		
	$5 + 0.6 + 0.02$			
				8 ones and 2 hundredths

7

Write the decimals as fractions.

Give your answer as a mixed number.

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

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

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

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

8

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



How many different numbers can you make?





# Answers

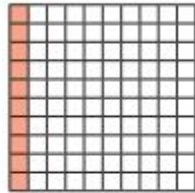
## Decimals as fractions (2)

1 This grid represents 1



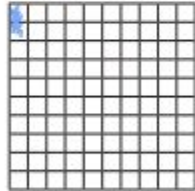
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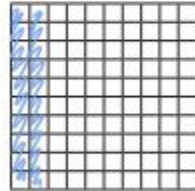


Colour the hundred squares to represent the fractions.

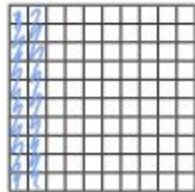
a)  $\frac{2}{100}$



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



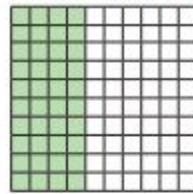
b)  $\frac{2}{10}$



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



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



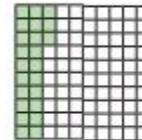
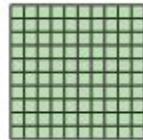
$$\frac{60}{100}$$

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

$$0.6$$

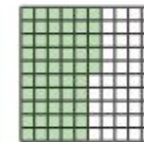
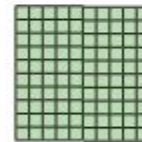
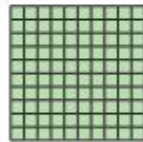
3 What fractions and decimals are represented?

a)



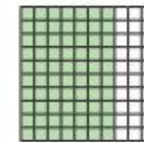
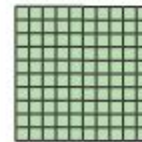
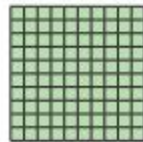
$$1 \frac{23}{100} = 1.23$$

b)



$$2 \frac{55}{100} = 2.55$$

c)



$$2 \frac{70}{100} = 2.7$$

## Challenge mat answers

### Year 5 Maths Activity Mat: 1 Answers

#### Section 1

Order these numbers from smallest to largest:  
576 094, 567 094, 576 904, 567 904

567 094

567 904

576 094

576 904



#### Section 2

Round these numbers to the nearest 100 000:

367 562

400 000

453 378

500 000

#### Section 3

Use these signs < or > to show which number is greater than or less than.

48 701

<

48 710

81 010

>

80 999

#### Section 4

Convert these measurements in litres to millilitres:

12.43l

12430 ml

6.8l

6800 ml



#### Section 5

Draw lines to show which fractions, decimals and percentages match.

$\frac{7}{10}$  40% 0.01  
 $\frac{2}{5}$  1% 0.7  
 $\frac{1}{100}$  70% 0.4

#### Section 6

Complete these calculations:

6396 + 3 =

2132

1333 x 2 =

2666

#### Section 8

Write these Roman numerals as digits:

CCLXVI

266

CCCLXXIV

374



#### Section 7

A shop assistant sold £845 worth of perfume. This was £258 more than yesterday. How much did she sell yesterday?

£587