

# Maths Spring 1 Task 1

Learning Objective- Can I identify the value of each digit to 2 dps

1) Watch the video- **Home learning archive** -Yr 5-week 1—lesson 1—**Thousandths as decimals** (ensure you scroll down to find the correct week and video)

<https://whiterosemaths.com/homelearning/summer-archive/year-5/>

Complete the worksheet attached:

1 What number is represented on the place value chart?

Ones	Tenths	Hundredths
	0.1 0.1	0.01 0.01 0.01
0	2	3

Complete the sentences.

There are  ones,  tenths and  hundredths.

The number is .

2 Represent these numbers on a place value chart.

Complete the sentences.

a) 0.56

There are  ones,  tenths and  hundredths.

b) 0.08

There are  ones,  tenths and  hundredths.

c) 1.48

There is  one,  tenths and  hundredths.

d) 2.07

There are  ones,  tenths and  hundredths.

- 3 Mo is thinking about tenths and hundredths.

In the number 2.49  
the digit 4 represents  
4 tenths or 0.4



What is the value of the digit 4 in each of these numbers?

- a) 14.8 \_\_\_\_\_ d) 42.03 \_\_\_\_\_  
b) 13.74 \_\_\_\_\_ e) 106.48 \_\_\_\_\_  
c) 8.04 \_\_\_\_\_ f) 176.4 \_\_\_\_\_

- 4 a) Circle the number that has 5 in the tenths position.

53

5.3

0.53

0.35

- b) Write three numbers that have 3 in the hundredths position.

\_\_\_\_\_

- 5 Complete the calculations.

a)  $0.64 = 0.6 + \square$

c)  $0.3 + 0.05 = \square$

b)  $0.53 = 0.5 + \square$

d)  $0.06 + 0.8 = \square$

- 6 Rosie is finding different ways to partition 0.73

$$0.73 = 0.7 + 0.03$$
$$\text{or } 0.3 + 0.43$$



Ones	Tenths	Hundredths
0	7	3

In what other ways can 0.73 be partitioned?

List as many ways as you can below.

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- 7 Alex is thinking of a number.



My number has 3 digits,  
is greater than 1 but less than  
2 and has 3 tenths.

- a) What number could Alex be thinking of?  
Talk about it with a partner.
- b) Write all the possible numbers Alex could be thinking of.

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- c) Write another clue that would mean Alex's number is 1.34

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8 Match the words to the numerals.

5 ones, 6 tenths and 5 hundredths	0.56
5 tenths and 6 hundredths	60.05
5 ones, 5 tenths and 6 hundredths	5.56
6 tens and 5 hundredths	5.65

9 Annie has three digit cards.



Are the statements true or false? Explain your answers.

a) The largest number Annie can make is 5.02

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b) The smallest number Annie can make is 0.25

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c) Annie can make six different numbers.

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## Maths Spring 1 Task 2

Learning Objective- Can I identify the value of each digit to 3 dps

2) Re-Watch the video- Home learning archive -Yr 5-week 1—lesson 5—**Thousandths as decimals** (ensure you scroll down to find the correct week and video)

<https://whiterosemaths.com/homelearning/summer-archive/year-5/>

Complete the worksheet attached:

## Thousandths as decimals

1 Represent the numbers on a place value chart.

Write the decimal.

a) 5 ones, 7 tenths, 0 hundredths and 2 thousandths

b) 0 ones, 6 tenths, 2 hundredths and 9 thousandths

c) 7 ones, 0 tenths, 1 hundredth and 3 thousandths

d) 5 ones, 6 tenths, 7 hundredths and 0 thousandths

3 Mo is placing decimal numbers on a number line.

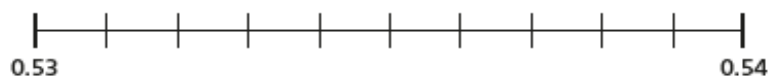
Draw an arrow from each number to its position on the number line.

0.532

0.535

0.538

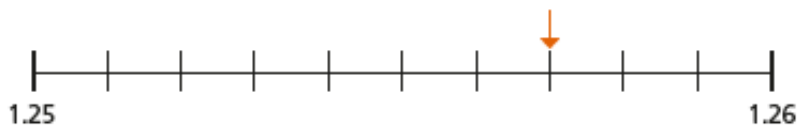
$\frac{539}{1000}$



4 What number is the arrow pointing to?

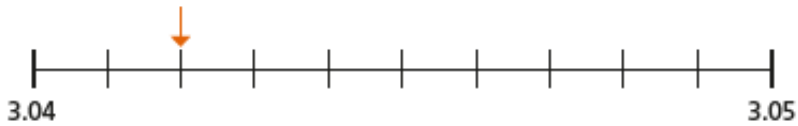
Write each number as a decimal and as a fraction.

a)



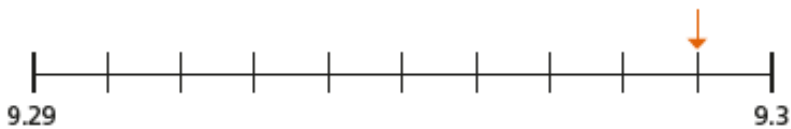
decimal =  fraction =  $\frac{\text{input}}{1000}$

b)



decimal =  fraction =  $\frac{\text{input}}{1000}$

c)



decimal =  fraction =  $\frac{\text{input}}{1000}$

7 Eva has 12 plain counters.

She makes numbers using the place value chart.

1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$

a) List five numbers that Eva could make.

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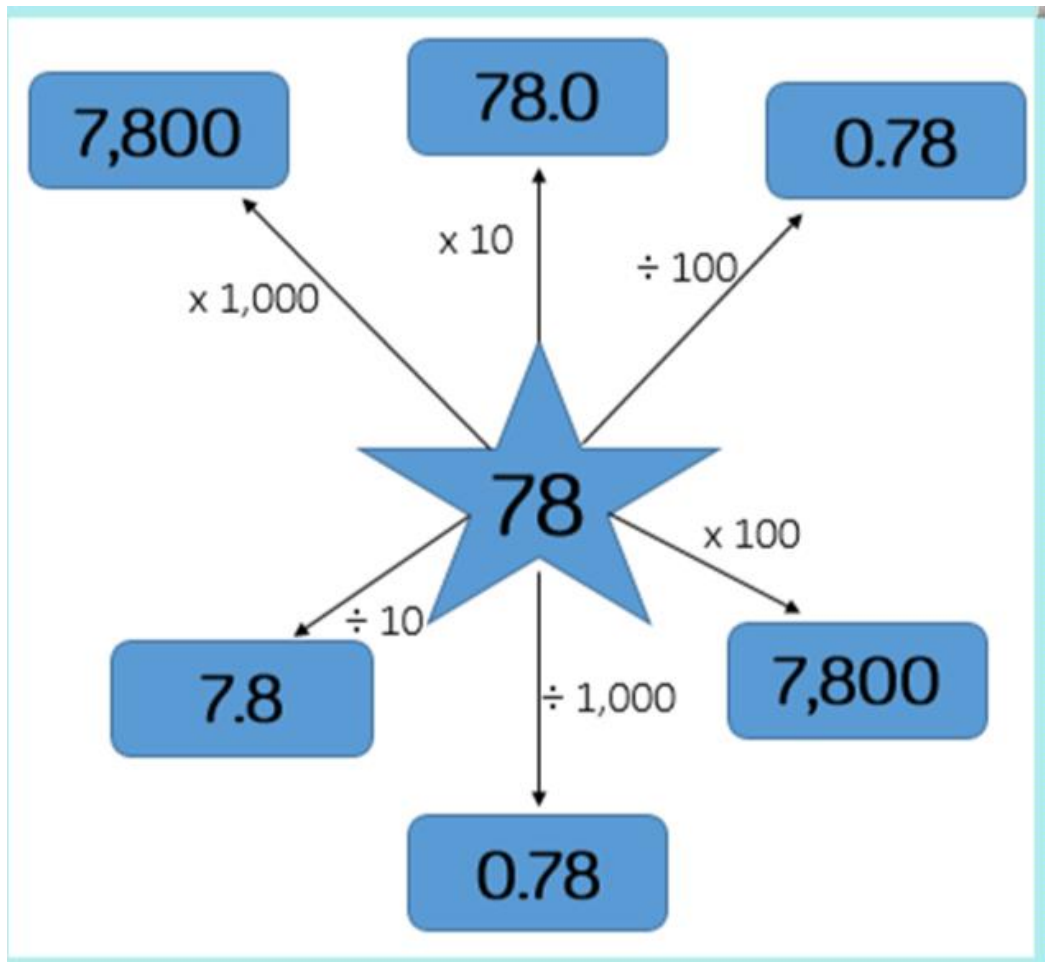
### Maths Spring 1 Task 3

Learning Objective- Can I multiply & divide decimals by 10,100 & 1000

3) Re-Watch the video- Home learning archive -Yr 5-Summer week 9—lesson 3& 4-Multiply & divide decimals by 10,100 & 1000 (ensure you scroll down to find the correct week and videos)

<https://whiterosemaths.com/homelearning/summer-archive/year-5/>

Complete the worksheet attached:



Tick the correct answers & correct those given which are wrong

### Maths Spring 1 Task 4

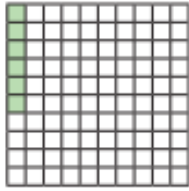
Learning Objective- Can I convert decimals to fractions?

4) Re-Watch the video- Home learning archive -Yr 5- week 1—lesson 2-Decimals as fractions (ensure you scroll down to find the correct week and videos)

<https://whiterosemaths.com/homelearning/summer-archive/year-5/>

Complete the questions attached:

- 5 Huan says he has coloured 0.6 of the hundred square.



Explain the mistake that Huan has made.

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- 6 Write  $<$ ,  $>$  or  $=$  to complete the statements.

a)  $0.4$    $\frac{40}{100}$

d)  $0.5$    $\frac{5}{100}$

b)  $0.02$    $\frac{20}{100}$

e)  $0.88$    $\frac{88}{100}$

c)  $0.6$    $\frac{6}{10}$

f)  $0.88$    $\frac{89}{100}$

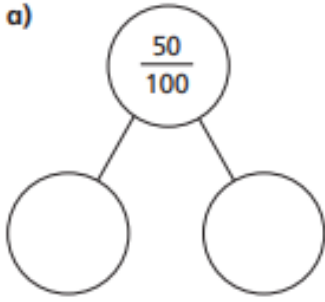
- 7 Complete the table.

Fifths	Tenths	Decimals
$\frac{1}{5}$	$\frac{\square}{10}$	0.2
$\frac{\square}{5}$	$\frac{4}{10}$	
		0.6
$\frac{4}{5}$	$\frac{8}{\square}$	

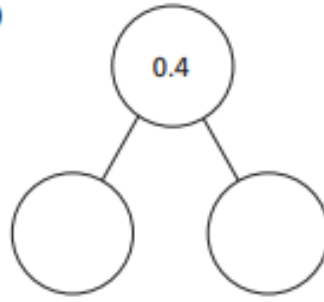


8 Complete the part-whole models using fractions or decimals.

a)

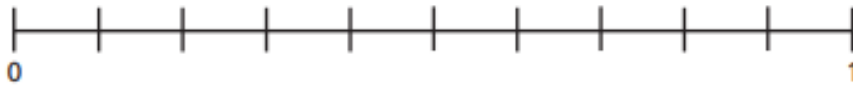


b)



Compare answers with a partner.

9 Here is a number line.



0.3

0.75

0.15

1.0

Draw arrows from the numbers to show their place on the line.

## Maths Spr 1 task 5

Learning Objective- Can I convert decimals to fractions?

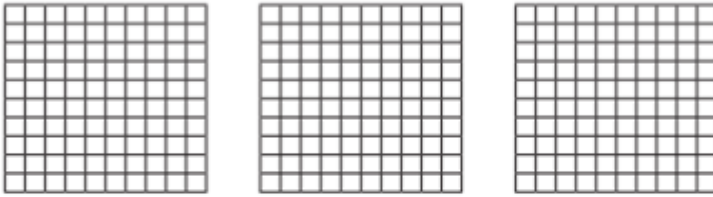
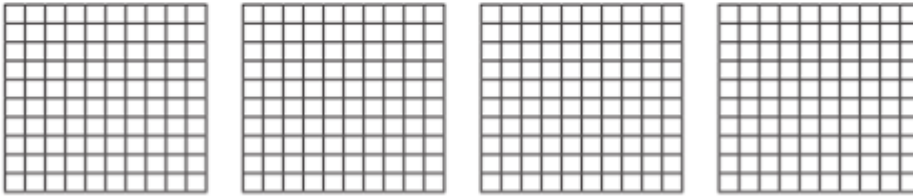
Re-Watch the video- Home learning archive -Yr 5- week 1—lesson 3-Decimals as fractions (ensure you scroll down to find the correct week and videos)

<https://whiterosemaths.com/homelearning/summer-archive/year-5/>

Complete the questions attached, show workings underneath

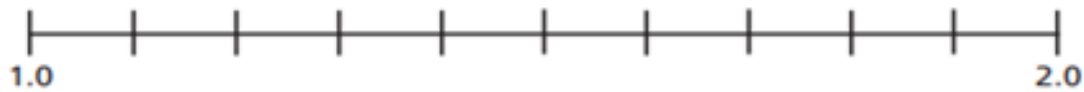
4

a) Represent 2.15

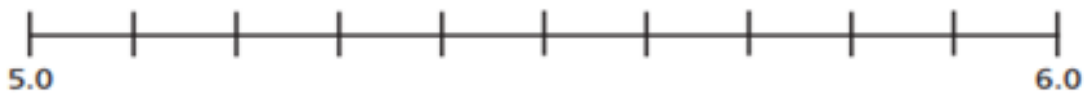
b) Represent  $3\frac{7}{10}$ 

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

### Maths Spr 1 Challenge1

Learning Objective- to solve problems using decimals

Re-Watch all videos from the week

<https://whiterosemaths.com/homelearning/summer-archive/year-5/>

Complete the questions attached, show workings underneath

1 Amelia says 'To divide by 15, divide by 5 and then divide the answer by 3.'

a) Use this to help you calculate:

$$190.2 \div 15 = \square$$

$$\square \div 15 = 6.34$$

$$380.4 \div 15 = \square$$

$$380.4 \div 1.5 = \square$$

b) Devise a rule for dividing by 12.

c) Calculate:

$$143.43 \div 12 =$$

$$286.86 \div 12 =$$

$$286.86 \div 1.2 =$$

$$286.86 \div 0.12 =$$

What do you notice about your answers? Why?

d) Explain how you could calculate  $16.8 \div 24$ .

Write as many other related facts as you can based on this calculation.

2 Ebo types  $\frac{\square}{\square}$  into his calculator. The numerator and denominator are both whole numbers less than 20. He gets the answer 0.625.

a) What could he have typed in to his calculator?

b) What could he have typed to get an answer of 3.25?

c) What could he have typed to get an answer of 2.3333...?

3 Max needs seven boxes of cereal. One shop sells it at £2.79 a box. Another shop sells it at £3.19 per box but has the offer 'Buy two boxes, get a third box free'.

a) Which shop should Max buy from? How much will it cost him?

b) A different shop has the offer 'Buy three boxes, get the fourth half price'. Each box costs £2.98. How much do seven boxes cost?