

## Year 4 ~ Maths ~ Week 3



You will not need to print out the questions, use a piece of paper to write out the answers and do all of your working out. Ask someone else who lives with you to mark it for you, then you can talk about your errors! There is an extra challenge sheet at the end if you want to have a go with that. Looking forward to seeing your work!

	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
<b>Mental Maths</b>	Practice all the times tables up to twelve.  <a href="https://trockstars.com/">https://trockstars.com/</a>	Division facts – choose division up to 10 and then the times table that you need practice with.  <a href="https://www.topmarks.co.uk/maths-games/hit-the-button">https://www.topmarks.co.uk/maths-games/hit-the-button</a>	Practice all the times tables up to twelve.  <a href="https://trockstars.com/">https://trockstars.com/</a>	Doubles & Halves– pick a 2-digit up to 99. Double it. Can it be halved to make a whole number? Why?  Online version: choose your level of skill, not too easy!!! <a href="https://www.topmarks.co.uk/maths-games/hit-the-button">https://www.topmarks.co.uk/maths-games/hit-the-button</a>	Practice all the times tables up to twelve.  <a href="https://trockstars.com/">https://trockstars.com/</a>  Ask someone to test you!

	Writing decimals.	Writing decimals.	Decimal number Problems	Ordering decimals	Comparing decimals
<b>Problem / Activity of the day</b>	What do you know about them? Think about all the facts you know.  The place value chart when we look at decimals goes Th H T O . t h 6 3 . 4 5 After the decimal point you have tenths and hundredths. Don't forget the decimal point.  Now using your made number cards (see below), practice putting	I would like you to use your number cards to make the following 4 digit decimal numbers.  e.g. Make a number that has 5 tenths and 4 hundredths = 23.54.  Now make some 4 digit decimal number numbers that have;  3 ones and 7 hundredths  4 tens and 8 tenths  2 hundredths and 8 tenths	You have learnt a lot about decimal numbers so far this week Today you are going to try and solve some worded problems for you to use the knowledge you have gained so far.  Think about all of the parts of this decimal number. Write down 3 facts about this number  <div style="text-align: center; font-size: 1.2em;"><b>0.91</b></div>	Which is bigger 0.84 or 1.64?  Why? Explain using place value vocabulary that you have been working on this week. (See below)  Now which is bigger 1.19 or 1.8? Why? Explain.  Now put all of the decimals above into ascending order. (start with the smallest first)  Now complete the activity below.	When you are working with decimals you need to look carefully at place value.  How did you get on with the first activity yesterday?  Did you work if 1.19 is bigger or smaller than 1.8?  Using a zero digit and your digit cards you have made. Can you use the number 1.8 to make another number that is smaller;

	<p>them in a place value board /grid (see above) and say aloud the value of each digit. E.g. above the 5 is in the hundredths place so it is 5/100 <b>OR</b> 0.05.</p> <p>Now complete the activity below.</p>	<p>6 hundredths and 1 tenth</p> <p>Now complete the activity below.</p>	<p>Now complete the activity below.</p>		<p>So <input type="text"/> &lt; 1.8</p>
<p><b>Resources you will need</b></p>	<p>Home made 0-9 number cards. Cut a piece of paper into 10 smaller pieces, (about the size of a playing card) and write digits 0-9 on each one.</p> <p>Pencil / paper.</p>	<p>0-9 number cards</p> <p>Pencil / paper</p>	<p>Pencil/ paper</p>	<p>Pencil / paper</p>	<p>0-9 number cards</p> <p>Pencil / paper</p>
<p><b>Tips / Clues or methods to help</b></p>		<p>Remember when you might need a zero to hold the place!</p>	<p>Think about the names of the digits in the place value grid. Write all the numbers that each person <i>could</i> be saying.</p>	<p>Tenths, hundredths, ascending, descending, order. Look very carefully at <b>all</b> of the decimal places.</p>	<p>Think very carefully about place value.</p>

# Additional activities

## Day 1

1 Make the number represented on each of the place value charts. Complete the sentences to describe each number.

a) 

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

 There are  ones,  
 tenths and  
 hundredths.

The number is

b) 

Ones	Tenths	Hundredths
	0.1 0.1 0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01

 There are  ones,  
 tenths and  
 hundredths.

The number is

c) 

Ones	Tenths	Hundredths
1 1 1		0.01 0.01 0.01 0.01 0.01 0.01 0.01

 There are  ones,  
 tenths and  
 hundredths.

The number is

d) 

Ones	Tenths	Hundredths
1 1 1	0.1 0.1 0.1 0.1 0.1 0.1 0.1	

 There are  ones,  
 tenths and  
 hundredths.

The number is

2 Make each number on a place value chart. Write the value of the underlined digit.

- a) 6.31 \_\_\_\_\_
- b) 12.09 \_\_\_\_\_
- c) 0.07 \_\_\_\_\_
- d) 56.82 \_\_\_\_\_

## Day 2

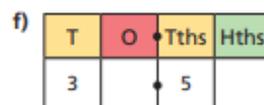
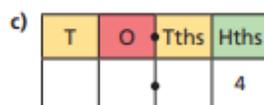
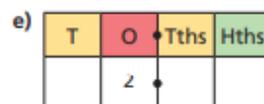
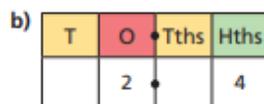
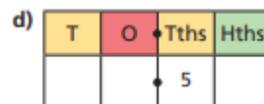
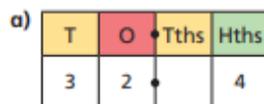
Alex says the number on the place value chart is 3.4



Do you agree with Alex? \_\_\_\_\_

Explain your answer.

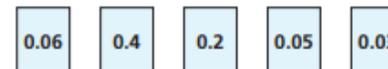
Fill in the zeros needed as placeholders for each number.



## Day 3

Here are five number cards.

Annie, Rosie, Jack, Dora and Whitney take one card each.



Use the clues to work out which number they each have.

My number has 5 hundredths.



Annie

My number is twice as much as Dora's.



Rosie

My number has 2 zero place holders.



Jack

My number is less than Jack's.



Whitney

My number is more than Jack's.



Dora

Annie

Dora

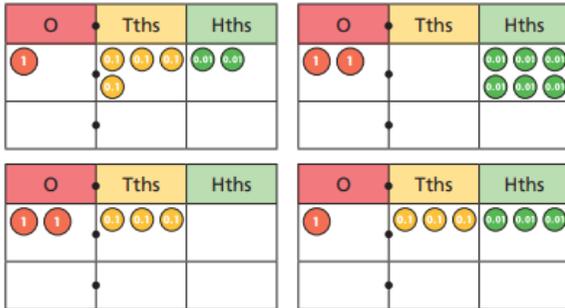
Whitney

Rosie

Jack

## Day 4

- a) Write digits to show the number represented in each place value chart.

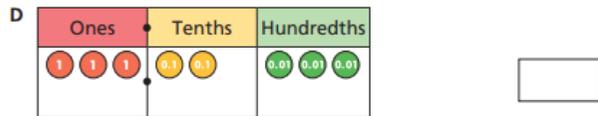
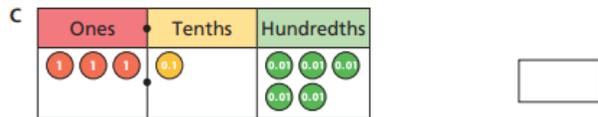
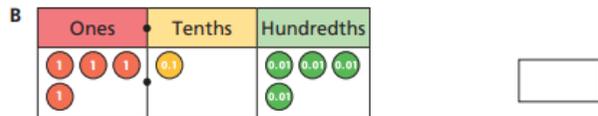
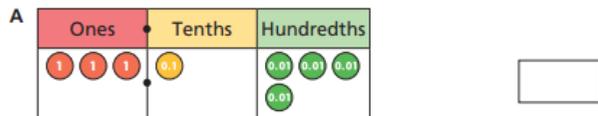


- b) Write the numbers in ascending order.

\_\_\_\_\_

Here are four numbers on place value charts.

- a) What number is represented in each place value chart?



- b) Write the numbers in ascending order.

\_\_\_\_\_

## Day 5

Annie and Dexter are comparing the decimals 4.12 and 4.8



Annie

4.12 is greater than 4.8, because 12 is bigger than 8



Dexter

4.12 is smaller than 4.8, because 12 hundredths is less than 8 tenths.

Who do you agree with? \_\_\_\_\_

Explain your answer.

Write < or > to complete the statements.

Decide whether the numbers are ascending or descending in each part.

- a) 3.2 ○ 3.8 ○ 3.9 \_\_\_\_\_
- b) 0.41 ○ 0.38 ○ 0.25 \_\_\_\_\_
- c) 4.2 ○ 4.17 ○ 4.085 \_\_\_\_\_

# Answers

## Day 1

Make the number represented on each of the place value charts. Complete the sentences to describe each number.

a) 

Ones	Tenths	Hundredths
1 1 1	0.5 0.5	0.01 0.01 0.01 0.01 0.01

 There are  ones,  tenths and  hundredths.

The number is

b) 

Ones	Tenths	Hundredths
	0.5 0.5 0.5 0.5 0.5	0.01 0.01 0.01 0.01 0.01

 There are  ones,  tenths and  hundredths.

The number is

c) 

Ones	Tenths	Hundredths
1 1 1		0.01 0.01 0.01 0.01 0.01 0.01

 There are  ones,  tenths and  hundredths.

The number is

d) 

Ones	Tenths	Hundredths
1 1 1	0.5 0.5 0.5 0.5 0.5	

 There are  ones,  tenths and  hundredths.

The number is

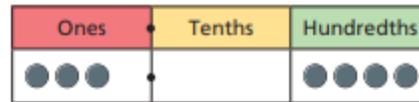
Make each number on a place value chart.

Write the value of the underlined digit.

- a) 6.31    3 tenths
- b) 12.09    2 ones
- c) 0.7    7 hundredths
- d) 56.82    5 tens

## Day 2

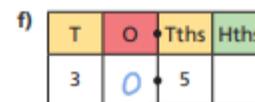
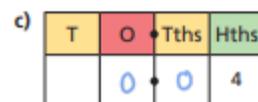
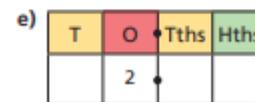
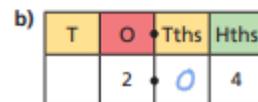
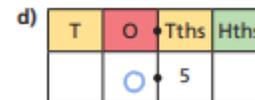
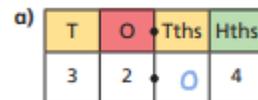
Alex says the number on the place value chart is 3.4



Do you agree with Alex? No

Explain your answer.

Fill in the zeros needed as placeholders for each number.



## Day 3

Here are five number cards.

Annie, Rosie, Jack, Dora and Whitney take one card each.



Use the clues to work out which number they each have.



My number has 5 hundredths.

Annie



My number is twice as much as Dora's.

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My number has 2 zero place holders.

Jack



My number is less than Jack's.

Whitney



My number is more than Jack's.

Dora

Annie

Dora

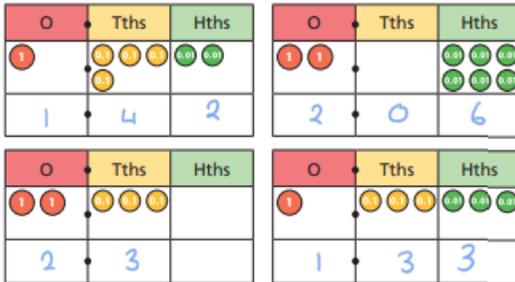
Whitney

Rosie

Jack

## Day 4

- a) Write digits to show the number represented in each place value chart.

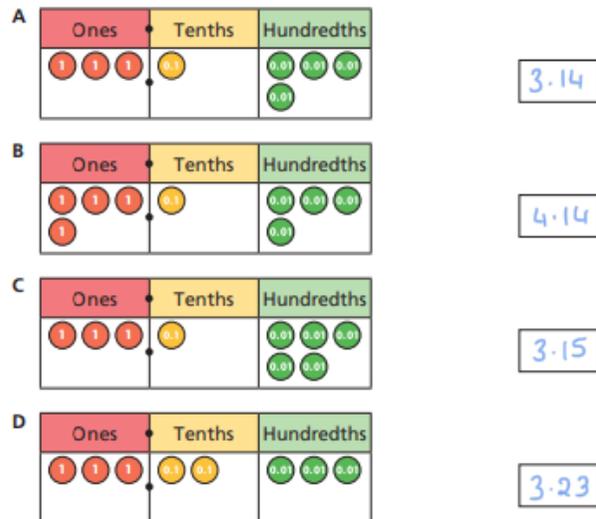


- b) Write the numbers in ascending order.

1.33, 1.42, 2.06, 2.3

Here are four numbers on place value charts.

- a) What number is represented in each place value chart?



- b) Write the numbers in ascending order.

3.14, 3.15, 3.23, 4.14

smallest

greatest

## Day 5

- a) Annie and Dexter are comparing the decimals 4.12 and 4.8



Annie

4.12 is greater than 4.8, because 12 is bigger than 8



Dexter

4.12 is smaller than 4.8, because 12 hundredths is less than 8 tenths.

Who do you agree with? Dexter

Explain your answer.

- b) Write  $<$  or  $>$  to complete the statements.

Decide whether the numbers are ascending or descending in each part.

- a)  $3.2 < 3.8 < 3.9$  ascending
- b)  $0.41 > 0.38 > 0.25$  descending
- c)  $4.2 > 4.17 > 4.085$  descending