

Math - Week 3

Here you will find all 5 math classes explained for this week

You do not need to print this PowerPoint - it is just here to help you!

Class 1: Monday 30th of March.

For this class you will need:

- Your printed metacognition chart (attached on Phidias)
- A pencil
- A red, green and orange or yellow pencil.
- You will need access to the internet (for Splash Learn)

Name: _____

M1: ___ M2: ___

Metacognition Trimester 3: Math

You have been working from home for the last 2 weeks instead of in the classroom. You are going to use this chart to help you with strategies to stay focused and motivated whilst working from home. To complete the first half, look at the PowerPoint your teacher has sent you. She will tell you when to complete the other sections.



RED: I still need to work on this a lot.

YELLOW: I have improved but I still need to work on this.

GREEN: I can do this perfectly.

Things to improve	How will you improve? Write 1 or 2 strategies	Week 3	Week 4	Week 5
Attitude - staying focused, working independently	_____ _____			
Understanding - clarifying doubt, checking work	_____ _____			
Time Management - am I using my time wisely?	_____ _____			

In week 5 reflect on your progress and answer the questions below:

I was great at _____.

I still have to work on _____.

I will do this by _____.

Task 1: Metacognition Chart

1. First, write your name on the metacognition chart. You need to keep this really safe as it is your grade for m1 and m2.
2. Read the instructions on the metacognition chart.
3. You are going to choose 1 or 2 strategies to help you improve the 3 aspects on the chart. You will find each aspect explained on the following slides, and a list of strategies for each one .

Things to improve	How will you improve? <i>Write 1 or 2 strategies</i>
Attitude – staying focused, working independently	_____ _____ _____
Understanding – clarifying doubt, checking work	_____ _____ _____
Time Management – am I using my time wisely?	_____ _____ _____



Attitude: For example.... Staying focused, not getting distracted by things around you, completing the work to your best ability, having a positive mind-set when starting tasks.

Choose 1 or 2 of the strategies below that you think will help you to improve your attitude (or make your own up!)

- Working in a quiet space
- Organising my workspace before I start
- Taking regular breaks
- Not watching TV whilst working
- Taking a break if I feel frustrated or distracted
- Stretching, going for a walk, taking deep breaths to help me focus
- Reward myself for completing tasks correctly

Understanding: For example... If you don't know the answer to something, or you don't understand something – what can you do?

Choose 1 or 2 of the strategies below that you think will help you to improve your understanding (or make your own up!)

- Checking your work with the answers on Weebly
- Re-reading the instructions
- Emailing your teachers with questions
- Looking at extra resources on Weebly
- Searching for help on YouTube – for example, math antics
- Reviewing previous work in the book
- Leave the part you don't understand and come back to it later
- Try to answer the question – you can check your work later.

Time Management: For example... Are you spending the correct amount of time on your work? Do you finish on time?

Choose 1 or 2 of the strategies below that you think will help you to improve your time management (or make your own up!)

- Set a timer
- Write a "To Do" list or a checklist to help you organise your time
- Skip questions you don't understand and come back to them later
- Don't waste time! Sit down and work for 30 minutes, then take a break.
- Make sure there are no distractions around you
- Organise all your materials before you start
- Assign times to each task, and stick to them!


Finished?

You should now have written 1 or 2 strategies in the boxes on your metacognition chart.










In the "Week 3" section, colour in the traffic lights with how you feel you are doing this week.

Remember: this is to help you improve, so your traffic lights are probably going to be red or yellow for week 3.

Every week your teacher will tell you to check your progress and you will colour the next set of traffic lights.



RED: I still need to work on this a lot.
YELLOW: I have improved but I still need to work on this.
GREEN: I can do this perfectly.

Strategies	Week 3	Week 4	Week 5
			
			
			

Task 2: Splash Learn

Your final task today is to log onto Splash Learn and complete the lesson called

"Decimal Place Value (Less than 1)"

Great job today! Well done!



Class 2: Tuesday 31st of March

For this class you will need:

- A pencil
- Colouring pencils or markers
- A ruler
- The hand out "Representing Decimals and Fractions" or your notebook/paper.

Name: _____ Date: _____

Decimals and Fractions

Decimal Form	Fraction (Tenths)	Fraction (Hundredths)

Word Form

_____ or _____

Place Value Chart	Model or Grid

Number Line

—————→

Task 1: Representing Decimals and Fractions (C1)

If you can't print the template don't worry! You can use your notebook or a paper. Here is an example for you that I completed on a paper. Just remember to put your name and the date!

This will be your grade for C1, so take your time, check your work and get creative! Use your markers/colours to make it look great!

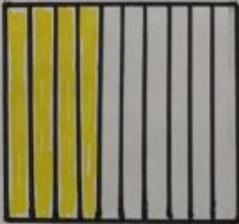
Name: Elena Date: 30th of March, 2020

Decimals and Fractions

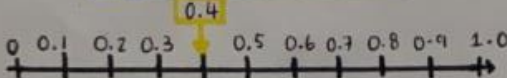
<u>Decimal form</u>	<u>Fraction (TENTHS)</u>	<u>Fraction (HUNDRETHS)</u>
0.4	$\frac{4}{10}$	$\frac{40}{100}$

..... Word form

Four tenths or Zero point four

<u>Place value Chart</u>	<u>Model or Grid</u>				
<table><thead><tr><th>ONES</th><th>TENTHS</th></tr></thead><tbody><tr><td>0</td><td>4</td></tr></tbody></table>	ONES	TENTHS	0	4	
ONES	TENTHS				
0	4				

..... Number-line



Task 1: Representing Decimals and Fractions (C1)

Ready to start? Your decimal number is...

0.5

When you have finished, check your work and keep it safe. Your parents will upload it in a PDF to Phidias later so I can check it 😊

Task 2: Splash Learn

Nearly finished! Log into Splash Learn and complete the lesson called "Decimal Place Value (Numbers greater than 1)"

Excellent work today! You should be proud!



Class 3: Wednesday 1st of April.

For this class you will need:

- A pencil and a coloured pencil (for colouring the models)
- Volume 2 Math Book

Task 1: Adding Decimals and Fractions

Today we will be learning how to add decimals (and fractions) You already know how to add fractions, so it is going to be super easy! Just read this question, you do not need to write it down

Lets look at this problem together:

"Denny walked $\frac{3}{10}$ of a mile to the post office, then he walked $\frac{5}{100}$ of a mile to the grocery store. How far did he walk in total?"

Our fraction operation is: $\frac{3}{10} + \frac{5}{100}$ **BUT!** we have to make the denominators equal before we can add them together.

We change $\frac{3}{10}$ by adding a zero to the denominator and the numerator. (Multiplying by 10)

Now we have: $\frac{30}{100} + \frac{5}{100} = \frac{35}{100}$

Lets check our work by converting the operation into decimal form (next slide)

Task 1: Adding Decimals and Fractions

"Denny walked $\frac{3}{10}$ of a mile to the post office, then he walked $\frac{5}{100}$ of a mile to the grocery store. *How far did he walk in total?*"

Our fraction operation is: $\frac{30}{100} + \frac{5}{100} = \frac{35}{100}$

Now lets change it into a decimal operation:

$\frac{3}{10}$ or $\frac{30}{100}$ is equal to ----- 0.30 (remember to write the zero after the three to help with lining up your numbers)

$\frac{5}{100}$ is equal to ---- 0.05

Add together: $0.30 + 0.05 = 0.35$

So, Denny walked $\frac{35}{100}$ of a mile, or 0.35 of a mile in total.

Task 2: Practice Time

Lets practice!

Go to page 664 and 665 in your volume 2 math book. You need to answer the Guided and Independent Practice (question 1 - 12)

1. Remember to change the denominators to 100s (just multiply the numerator and denominator by 10)
2. Remember to then write the operation as a decimal operation
3. Remember to use a coloured pencil to shade the models!

Task 3:

Check your work using the answers on Weebly – how did you do? If you are still a little confused, don't worry, we will practice more tomorrow.

Well done! Great work today !!



Class 4: Thursday 2nd of April

For this class you will need:

- A pencil
- Volume 2 Math Book
- You will need access to the internet (for Splash Learn)

Task 1: Volume 2 page 666 and page 668

Your first task today is to complete page 666, questions 13-17, and page 668. Look at the tips below for the following questions!

Page 666:

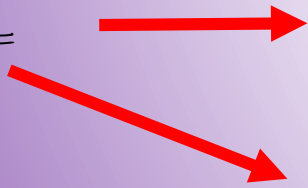
Question 15: Remember, the square (■) just means an unknown, or a ? mark. What is the missing number?

Question 16: You can't change problems with a classmate, so just write a word problem similar to question 15, you don't have to show it to anyone

Question 17: Imagine you write the fractions as decimals in a place value chart – how does the place value chart help you to add correctly?

Page 668:

Remember to make sure your fractions have the same denominator before you start, and to write each operation as a decimal too!

Eg: $\frac{1}{100} + \frac{5}{10} =$  $\frac{1}{100} + \frac{50}{100} = \frac{51}{100}$
 $0.01 + 0.50 = 0.51$

When you have finished check all your answers using the answers on Weebly!

Task 2: Splash Learn

Complete the lesson on Splash Learn called:

"Represent Decimals Less than 1"

You've finished! Give yourself a pat on the back!



Class 5: Friday 3rd of April

For this class you will need:

- A pencil
- Volume 2 Math Book
- You will need access to the internet (for Splash Learn)

Task 1: Comparing and Ordering Decimals: Method Review

Today we will be learning how to compare and order decimals using a number line, place value or models.

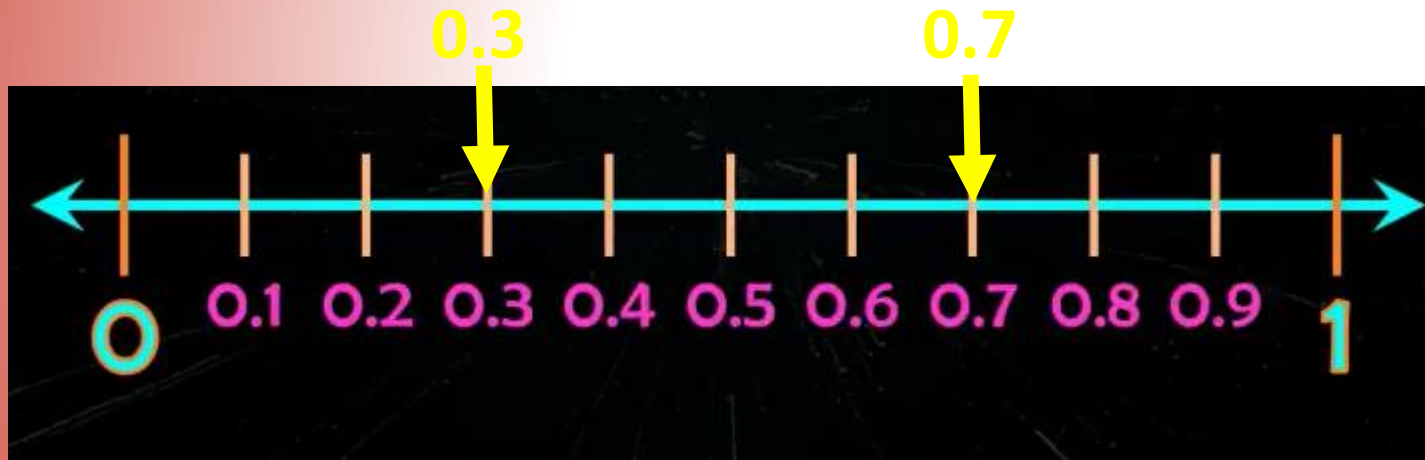
This is very similar to comparing fractions!

Have a look on the next 3 slides for explanation of each method, you do not need to write anything down, this is just a review! You will practice later.

Comparing and Ordering Decimals with a Number line

Place your decimals on the number line. The decimal closest to the right hand side is the biggest decimal!

For example: Compare 0.3 and 0.7



0.7 is the closest to 1 (or closest on the right hand side) so it must be the biggest!

So, $0.7 > 0.3$

Comparing and Ordering Decimals with Place Value

Draw a place value chart, and write your decimals in. You might have to add some zeros to make sure they are all lined up correctly. Look at the numbers in the tenths place – are they the same, or is one bigger than the other? If they are the same, do the same with the hundredths place until you find one number that is bigger than the other.

For example: Compare 0.1 and 0.11

ones	.	tenths	hundredths
0	.	1	0
0	.	1	1

Here you can see I added a zero in the hundredths place to line my numbers up and to help me stay organised.

1 is bigger than 0, so we know that this must be the biggest decimal.

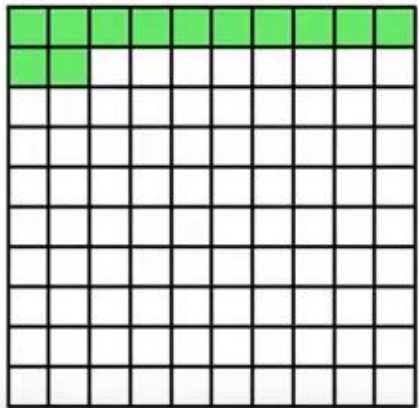
So, $0.11 > 0.10$

Comparing and Ordering Decimals with Models

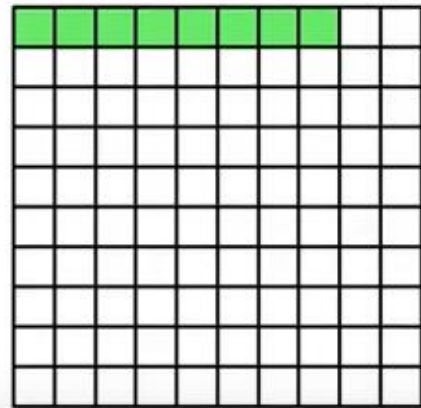
Draw and colour your models, then look – which one has the most coloured squares?

For example: Compare 0.12 and 0.08

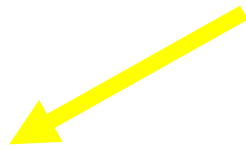
0.12



0.08



Here I coloured 12 squares, and 8 squares on two hundredths grids.



There are more squares shaded on the 0.12 grid, so it must be bigger!

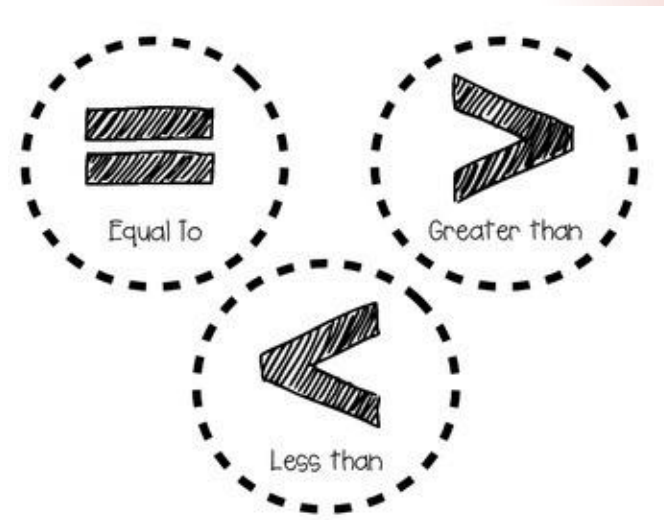
So, $0.12 > 0.08$ or $0.08 < 0.12$

Task 2: Comparing and Ordering Decimals

Practice pages 670-671

Now its time to practice what we reviewed in the three slides:
complete the guided practice and independent practice on page 670 and
671

Remember to use the symbols:



Check your work with the answers on Weebly when you have finished!

Still Confused?

You can watch the following videos to help you a little more if you need to:

Using place value:

<https://www.youtube.com/watch?v=RHUI4kZDD6c&t=118s>

Using a number line:

<https://www.youtube.com/watch?v=LpLnmuAyNWg>

Using models:

<https://www.youtube.com/watch?v=Za-QRAnarZM>

Task 3: Splash Learn

Complete the lesson on Splash Learn called:

"Comparing Decimals less than 1"

You're finished! Well done for all the hard work this week, now it is time to relax!

