

Notes for Mrs Lewis's, Mrs Martin's and Mrs Quantick's Yr6 maths students for the week beginning 1st February 2021

Please note that Mrs Quantick has set some additional challenges relating to today's lessons in the Maths Extension Tasks tab on our Year 5 and 6 Home Learning page

YOU ARE GOING TO BE USING YOUR KNOWLEDGE OF THE MULTIPLICATION TABLES A LOT THIS WEEK. PLEASE USE TT ROCKSTARS BEFORE EACH SESSION IF YOU CAN.

The lessons this week are on Fractions. Some of the videos will require a lot of concentration and you may need to go back and replay some sections to help your understanding. This is the right thing to do and it's what we would do in school. If you find you're becoming confused, stop, go back and listen again. We have deliberately kept the lesson on Friday quite short so that there is time for you to catch up if you need to. However, some of you will find this much easier, and in that case, we are expecting you to complete challenges from the Maths Extension Tasks section on the school website.

Monday 1st February 2021

Fractions

Lesson 5: Compare Fractions Greater than 1

<https://classroom.thenational.academy/lessons/compare-fractions-greater-than-one-c8vkgr>

There is no starting quiz.

The focus of this lesson is improper fractions ($\frac{5}{6}$) and mixed fractions ($1\frac{3}{4}$).

Once you get the idea, it really is quite simple to convert between mixed and improper fractions, so some of you may be able to go through the lesson and answer the questions fairly speedily. If that is the case, you need to access some Maths Extensions Tasks for the school website.

Question 5 is quite a challenge, so don't worry if it's a bit too much of a stretch for you; you'll learn a lot from watching Miss Parsons going through the question at the end because she explains it very well.

Complete the Final Quiz; if you take your time and read the questions carefully, most of you should achieve 5/5.

Tuesday 2nd February 2021

Fractions

Lesson 6: Decimal and Fraction Equivalence

<https://classroom.thenational.academy/lessons/decimal-and-fraction-equivalence-cngk8r>

There is no quiz at the beginning.

Miss Parsons recaps place value and uses this brilliantly to prove and explain equivalence between decimal numbers and fractions. When she explains why 0.75 is equivalent she makes a small error when she refers to common factors. I wonder if any of you can spot it....look back at the STEM sentence you wrote about how to simplify a fraction. Do we divide the numerator and the denominator by the lowest common factor, or the highest?

Independent Tasks

The 5 tasks are quite manageable, if you use the techniques demonstrated in the video. Check your answers carefully when Miss Parsons goes through them.

The Final Quiz isn't too tricky, try to get them all correct!

Wednesday 3rd February 2021

<https://classroom.thenational.academy/lessons/decimal-equivalents-of-fractions-cnh32r>

Lesson 7 : Decimal Equivalents of Fractions.

There is no starting quiz.

This video demonstrates how to convert fractions to decimals. There are 2 strategies, the first is simple, the second is not. The second strategy involves using the bus stop method to divide when the answer is going to be a decimal number. Miss Parsons gives you some new vocabulary.

Write down these STEM SENTENCES:

Dividend (a number that is divided).

Divisor (a number by which another number is being divided)

Quotient (the quantity produced by the division of these numbers)

So $\frac{3}{4}$

3 is the dividend

4 is the divisor

And 0.75 would be the quotient.

When using the bus stop method to find a decimal equivalent, the larger number (the divisor) is outside the bus stop and the smaller number (the dividend) is inside the bus stop.

Replay the video as many times as you need to until you understand this second strategy.

There is a huge amount of new learning in this video but the good part is that you can replay it as many times as you need to, and if you find any of the tasks very tricky, watch Miss Parsons go through the answers first and then go back and try to do it yourself. It is not a test, so you are not cheating.

There is a Final Quiz for you to complete.

Thursday 4th February 2021

Lesson 8: Add Fractions

<https://classroom.thenational.academy/lessons/add-fractions-cnk3ar>

There is no starting quiz. UPDATE: I DID THE NOTES FOR THIS LESSON OVER TWO DAYS. ON THE FIRST DAY THERE WAS NO QUIZ BUT THE NEXT DAY THERE WAS A QUIZ! IF THERE'S A QUIZ WHEN YOU LOG ON, PLEASE COMPLETE IT.

Miss Parsons demonstrates the first example pictorially. This is not something I would suggest that you try to do yourself. The thing to remember, when adding fractions, is that that **the denominator has to be the same**. This STEM SENTENCE will help:

To add fractions the denominators must be the same.

Miss Parsons gives you a list of steps to carry out when converting fractions so that they have the same denominator (to allow you to add them). At this point in the video, you will need to pause so that you can note down these steps.

Independent Tasks

For questions 2 and 3, remember to convert the mixed number fractions into improper fractions first.

When Miss Parsons is explaining the answer to Question 5, she makes an error. Can you spot what it is?

Final Quiz

Take your time. Try to get 5/5!

Friday 5th February 202

Varied Maths

Please complete at least one of the Maths Activity Mats. Choose the appropriate level for you and maybe even challenge yourself with the next level too! Remember- today we have kept the amount of work lighter, to allow you to catch up on previous lessons, if you need to. If you're all up to date then please head to the Extension Tasks section.

I've just realised that there are no jokes this week! A little birdie told me that Mrs Sandberg has been enjoying them (poor Mrs Sandberg has to read through all our notes before they go on the website)! So here's a couple of jokes for you (and Mrs Sandberg). See if you can work out the answer before next week....

Why did the teacher wear sunglasses ?

Why did the boy eat his homework?

Why did the music teacher need a ladder?

ANSWERS NEXT WEEK!