

Maths Year 6 Week Beginning 1st March 2021

Monday 1st March and Tuesday 2nd March 2021

Please go to National Oak Academy

<https://classroom.thenational.academy/lessons/fractions-solve-fraction-problems-with-the-four-operations-cgrk0d>

Fractions: Solve fraction problems with the four operations

You will need to use two sessions to work your way through the video and tasks. The first part of the lesson is really useful revision of adding and subtracting fractions, including mixed number fractions. The second part is quite challenging so don't rush and don't move on until you really understand.

Please complete the knowledge quiz at the beginning, it's not too tricky so aim for 100%!

Tip

Remember, if you are finding $\frac{1}{2}$ of $\frac{1}{4}$, it is the same as $\frac{1}{4} \div 2$ and this is the same as $\frac{1}{4} \times \frac{1}{2}$. When we perform $\frac{1}{4} \times \frac{1}{2}$ we simply multiply the numerators and denominators and the answer is $\frac{1}{8}$.

Independent Tasks

Question 1 uses the term 'product'. For those of you who might be unsure, this means multiply. So, the product of 8 and 7 is 56 because $8 \times 7 = 56$.

Work your way through the tasks and, be warned, question 3 is a 2 stage problem which requires 2 separate calculations.

There is no final quiz and we will not be going on to Decimals. We will be going on to Percentage on Wednesday and Thursday.

Wednesday 3rd March 2021 and Thursday 4th March

Understand what a percentage is and its connection to fractions

Please go to:

<https://classroom.thenational.academy/lessons/understand-what-a-percentage-is-and-its-connection-to-fractions-6rrk2c>

We're going on to learn about percentages. What I'd really like you to remember is that percentage is just a fraction which has a denominator of 100. **You will have today and tomorrow** to watch the video, complete the Independent tasks and to do the final quiz.

There is no starting quiz.

In the video Miss Parsons is really good at using diagrams to represent the percentages and is excellent at continually drawing comparisons with fractional and decimal equivalents. You will need to know the multiples of 3, 4, 5, 6, 7 and 8 for some of the tasks, so if you're a bit rusty with any of these, have a quick run through! You will also need to remember how to identify Prime numbers; remember that they only have two factors and that the number 2 is the only even Prime number. You will also need to recall the square numbers. Remember, square numbers are generated by multiplying a number by itself.

Independent Tasks

Complete the Independent Tasks and watch very carefully when Miss Parsons goes through them, to check that you got them correct.

There is a final quiz which is quite tricky, **you need to read the questions very carefully.**

Friday 5th March

Please complete an Arithmetic Paper. There is a Paper A and a Paper B. Please complete Paper A first and if you work through it quite quickly, go on to Paper B. The answers are there for you to check **afterwards.**

And the punchline to last week's joke.....

Why did the kid throw his clock out of the window?

Because he wanted to see time fly!

