

Maths

Lesson 1 (Monday)

What do each of these words mean?

Fraction

Proper fraction

Denominator

Numerator

Divide

Please watch the video titled divide fractions by integers (1)

<https://whiterosemaths.com/homelearning/year-6/week-11-number-fractions/>

When the video asks you to complete tasks please work the following out representing it with a diagram:

$$1 \div 2 =$$

6

$$1 \div 2 =$$

8

$$1 \div 3 =$$

4

$$1 \div 4 =$$

3

Kate shares $\frac{1}{3}$ of a pizza equally between her and her two friends. What fraction of the whole pizza does each person get?

Emma has a chocolate bar. She eats $\frac{5}{6}$ of the bar. She shares the remainder equally with Max. What fraction of the whole bar does Max get?

Find 6 different ways to make the calculation correct

$$\frac{1}{\boxed{}} \div \boxed{} = \frac{1}{48}$$

Lesson 2 (Wednesday)

Please watch the video titled divide fractions by integers (2)

<https://whiterosemaths.com/homelearning/year-6/week-12-number-fractions/>

When the video asks you to complete tasks please work the following out

Calculate.

$$\frac{1}{11} \div 1 = \quad \frac{2}{11} \div 2 = \quad \frac{3}{11} \div 3 = \quad \frac{4}{11} \div 4 =$$

$$\frac{2}{11} \div 2 = \quad \frac{4}{11} \div 2 = \quad \frac{6}{11} \div 2 = \quad \frac{8}{11} \div 2 =$$

$$\frac{3}{11} \div 3 = \quad \frac{6}{11} \div 3 = \quad \frac{9}{11} \div 3 = \quad 1\frac{1}{11} \div 3 =$$

Complete a row a time. What do you notice?

Match the equivalent calculations.

$$\frac{1}{4} \times \frac{12}{13}$$

$$\frac{12}{13} \div 2$$

$$\frac{1}{6} \times \frac{12}{13}$$

$$\frac{12}{13} \div 6$$

$$\frac{1}{2} \times \frac{12}{13}$$

$$\frac{12}{13} \div 4$$

$$\frac{1}{3} \times \frac{12}{13}$$

$$\frac{12}{13} \div 3$$

Lesson 3 (Thursday)

Watch the following video

<https://classroom.thenational.academy/lessons/fractions-divide-a-proper-fraction-by-an-integer-6tjkgd>

Complete these tasks when asked:

Question 1

$$1) \frac{9}{10} \div 3$$

$$2) \frac{10}{12} \div 5$$

$$3) \frac{8}{11} \div 4$$

$$4) \frac{7}{8} \div 2$$

Question 2

Sally has forgotten to take her phone charger away for the weekend.

She has $\frac{4}{5}$ of her battery life remaining.

She has to make the battery last three days. How much of the battery can she use each day if she wants to use an equal amount each day?

Question 3

$$\frac{\square}{\square} \div 2 = \frac{3}{8}$$

$$\frac{\square}{\square} \div 3 = \frac{1}{9}$$

Question 4

A field is $\frac{2}{3}$ km long and $\frac{1}{9}$ km wide.

The area of the field is split into three equal parts.

What is the area (as a fraction) of each section?

*Hint: find the area of the field first.

Question 5

What is the value of the calculation below when $a = 3$ and $b = 9$?

$$\frac{a}{5} \div b$$

Lesson 4 (Friday)

Watch the video titled decimals up to 2 decimal places.

<https://whiterosemaths.com/homelearning/year-6/week-1-number-decimals/>

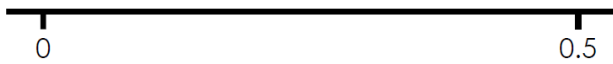
Complete the following tasks

Partition these numbers

0.62
0.78
1.56
1.09
0.345

Put the numbers in order from smallest to largest.

Show the position of **0.43** on each number line.



Which is larger

0.909, 0.099, 0.99?

Convince me