



Year 6

Remote Learning

Maths Week 2

Message

Hi Year 6!

We hope your first week of remote learning went well and that you are still staying safe and having fun at home. Working from home is certainly different, so it is really important that you listen to your parents, do as they ask and work as a team!

You should do as much of this work as you can to ensure that you are still learning and keeping your brain active! Take your time with it; you don't have to do it all in one go. Work out a timetable that works for you and your family, and try and stick to it, so you manage to complete everything.

We want to see what you have been up to! Ask a parent to post a picture of your work on instagram and tag our school account or use #coleridgeprimary

Have a great week. We miss you!

Miss Edge, Mr Grimadell, Miss Henry and Mr Skrein.

Teaching

This week, you will recap fractions. We have learnt how to add, subtract, multiply and divide fractions – here is a reminder:

Adding and subtracting:

If the denominator is the same, just add or subtract the numerator. $\frac{2}{9} + \frac{5}{9} = \frac{7}{9}$

$$\frac{1}{2} + \frac{1}{3} = ?$$

$$\frac{1 \times 3}{2 \times 3} = \frac{3}{6} \quad \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$$

$$\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

If the denominators are different, multiply to make them the same. Remember to do the same to the numerator!

Multiplying:

$$\frac{1}{2} \times \frac{2}{5} = \frac{1 \times 2}{2 \times 5} = \frac{2}{10}$$

To multiply, simply times the numerators and times the denominators. Don't forget to simplify!

$$\frac{2}{10} = \frac{1}{5}$$

Dividing:

To divide fractions: keep the first fraction the same, flip the second fraction and change the operation to multiply.

$$\begin{array}{ccc} \frac{1}{2} & \div & \frac{1}{6} \\ \text{leave me} & \text{change me} & \text{turn me over} \\ \downarrow & \downarrow & \downarrow \\ \frac{1}{2} & \times & \frac{6}{1} \end{array}$$

If you need to do any of these operations with whole numbers, you can convert a whole number to a fraction by putting it over a one.

$$5 \text{ is also } \frac{5}{1}$$

Website Links

Here are some useful teaching videos:

Adding:

https://www.youtube.com/watch?v=Gv_jiZS96vk&list=RDCMUCW3781-ljaXC0cX2T1NuS5w&index=6

Multiplying:

<https://www.youtube.com/watch?v=qmfXyR7Z6Lk>

Dividing:

<https://www.youtube.com/watch?v=4lkq3DgvmJo>

Here are some websites where you can practise your skills:

<https://app.mymaths.co.uk/94-lesson/dividing-fractions>

Keep practising your multiplication and division facts!

<https://play.trockstars.com/auth/school/student>

If you finish everything we have set you and feel like you need a little extra, follow this link for a new activity each day.

<http://www.iseemaths.com/lessons56/>

Questions to Answer

$\frac{1}{4} + \frac{3}{4}$

$\frac{5}{8} - \frac{3}{8}$

$\frac{7}{9} - \frac{5}{9}$

$\frac{4}{5} + \frac{2}{7}$

$\frac{1}{7} + \frac{2}{3}$

$\frac{1}{2} + \frac{1}{10}$

$\frac{6}{7} + \frac{2}{3}$

$\frac{5}{6} - \frac{1}{2}$

$\frac{7}{8} - \frac{3}{4}$

$\frac{8}{9} - \frac{3}{4}$

$\frac{3}{7} - \frac{1}{3}$

$\frac{4}{5} - \frac{3}{4}$

$\frac{1}{5} \times 15$

$\frac{1}{8} \times 32$

$\frac{7}{8} \times 16$

$\frac{1}{2} \times \frac{1}{3}$

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

$\frac{1}{3} \times \frac{1}{4}$

$\frac{2}{3} \times \frac{3}{4}$

$\frac{3}{7} \times \frac{4}{5}$

$\frac{3}{8} \times \frac{3}{4}$

$\frac{1}{2} \div 3$

$\frac{3}{4} \div 2$

$\frac{1}{8} \div 2$

$6 \div \frac{1}{2}$

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

$8 \div \frac{1}{3}$

$\frac{1}{2} \div \frac{1}{3}$

$\frac{3}{8} \div \frac{1}{2}$

$\frac{3}{4} \div \frac{2}{3}$

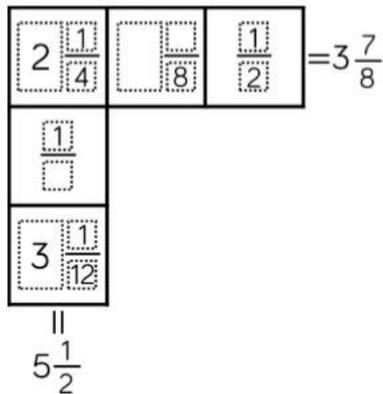
$\frac{4}{5} \div \frac{2}{3}$

$\frac{3}{4} \div \frac{1}{8}$

$\frac{3}{8} \div \frac{1}{2}$

Apply it!

Each row and column adds up to make the total at the end. Complete the diagram.

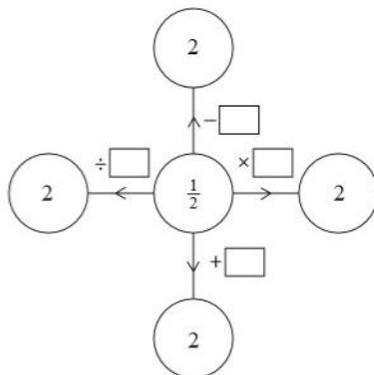


Find the value of the 

$\text{heart} + 3\frac{4}{9} = 6\frac{1}{3}$

$8\frac{1}{10} - \text{heart} = \text{sun}$

Complete the diagram



Games and Investigations

$5.\square\square \square 5.\square\square$

Use the symbols and numbers below to make the above number sentence correct.

< > 1 1 2 3

For example:

$5.31 > 5.21$

How many different sentences can you make?

How will you know when you have found them all?

Have a go at this game:

<https://nrich.maths.org/1249>

You could try making your own set of matching cards like the ones in this game.