

Year 5 Maths Homework

Date Set: 10.1.18

Due Back: 15.1.18

This week in Maths we were learning to add and subtract fractions with the same and different denominators. We learnt that if the denominators are the same, we only have to add the numerators and that if the denominators are different we have to make them the same using multiplication.

We can use **equivalent** fractions to add fractions that do not have the same **denominator**.

For example:

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

We need to change $\frac{3}{4}$ into an equivalent fraction with a denominator of 8.

$$\frac{3}{4} = \frac{6}{8}$$

(Note: In the original image, there are arrows from 4 to 8 labeled 'x2' and from 3 to 6 labeled 'x2')

Now we have:

$$\frac{6}{8} + \frac{1}{8} = \frac{7}{8}$$

Denominator – The bottom number of a fraction.

Numerator – The top number of a fraction.

Equivalent – The same as.

Copy and complete these questions using this method:

$$3/4 + 1/8 = 6/8 + 1/8 = 7/8$$

1)

$$\frac{1}{5} + \frac{2}{5} = \boxed{\quad}$$

$$\frac{8}{9} - \frac{6}{9} = \boxed{\quad}$$

$$\frac{1}{7} + \frac{3}{7} = \boxed{\quad}$$

$$\frac{7}{8} - \frac{1}{8} = \boxed{\quad}$$

3) Mr Todd says:

$$2/3 + 5/6 = 1 \frac{1}{2}.$$

What do you think?

Can you convince me?

2)

$$\frac{1}{8} + \frac{1}{2} = \boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

$$\frac{17}{20} - \frac{3}{5} = \boxed{\quad} - \boxed{\quad} = \boxed{\quad}$$

$$\frac{1}{3} + \frac{2}{21} = \boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$