Mrs Lopes Year 4 Homework – Friday 8th February 2019

Vocabulary – What do these words mean? Can you define them?

Numerator **Denominator** **Improper Fraction**

Times Table Challenge

Time taken to complete:

Mental Activity –

Please convert these improper fractions to a mixed number fraction

$\frac{13}{5}$ $\frac{26}{10}$ $\frac{8}{6}$ $\frac{23}{9}$ $\frac{45}{7}$ $\frac{60}{15}$ $\frac{33}{4}$ $\frac{54}{3}$

Please convert these mixed number fractions to improper fractions

$3\frac{2}{3}$ $4\frac{1}{5}$ $5\frac{5}{8}$ $2\frac{9}{10}$ $6\frac{1}{9}$ $7\frac{2}{5}$ $8\frac{1}{2}$ $10\frac{1}{4}$

x	3	2	5	6	8	7	4	1	10	12	11	9
3												
4												
6												
7												

To be able to add and subtract fractions

Please show your working out in your book.

1) $\frac{2}{5} + \frac{1}{5} =$ **2)** $\frac{6}{8} + \frac{4}{8} =$ **3)** $\frac{7}{10} - \frac{2}{10} =$

4) $\frac{3}{9} + \frac{4}{9} - \frac{5}{9} =$ **5)** $\frac{5}{10} - \frac{2}{10} + \frac{6}{10} =$ **6)** $\frac{5}{8} + \frac{2}{8} - \frac{6}{8} + \frac{4}{8} =$

To be able to add and subtract fractions with different denominators

7) $\frac{3}{5} + \frac{2}{10} =$ **8)** $\frac{4}{6} - \frac{5}{18} =$ **9)** $\frac{2}{4} - \frac{2}{8} + \frac{2}{16} =$

- $\frac{10}{6}$ = How many 6's in 10? 1
- How many left over? $4 = 1\frac{4}{6}$
- $3\frac{2}{5} = 5 \times 3 = 15 + 2 = \frac{17}{5}$

- Add/ subtract numerators
- Answer over the denominator
- Simplify / change to mixed number if you can

- Denominators need to be the same
- Find the lowest common denominator
- What you do to the bottom, you must do to the top
- Add / subtract numerators
- Answer over denominators
- Simplify if you can

Due in Wednesday 13th February - please see me before this if you have any problems