

Year 5 Maths Home Learning

Week Ten – Day One

Kermit the Frog is a green Muppet character with a large red mouth and white eyes. He is peeking through a hole in a white sheet of paper, looking happy and excited.

Last week!!!
We made it
people!

Warm up – Calculation Mix.
Main Learning – Fractions.

Warm up - Calculation Mix

Complete these calculations using an appropriate method.

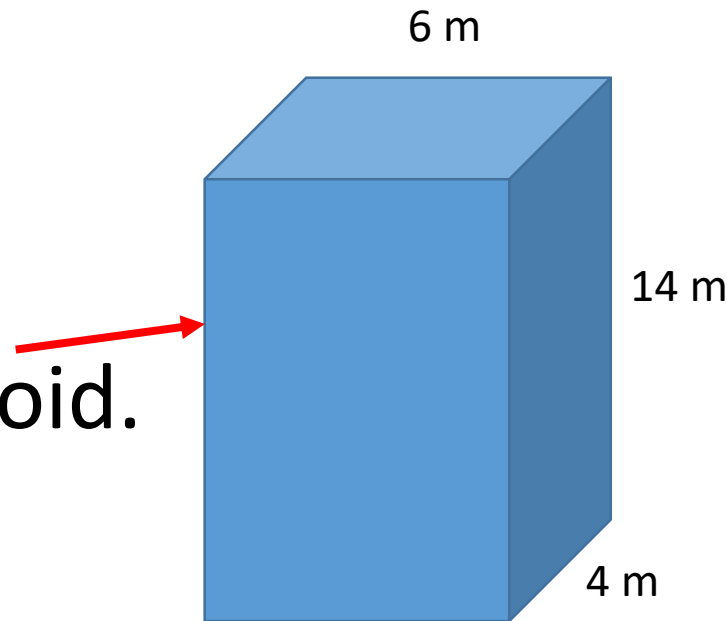
1) $8 \times 3 \times 5 =$

2) $8^2 - 5^2 =$

3) $-32 + 18 =$

4) Volume of this cuboid.

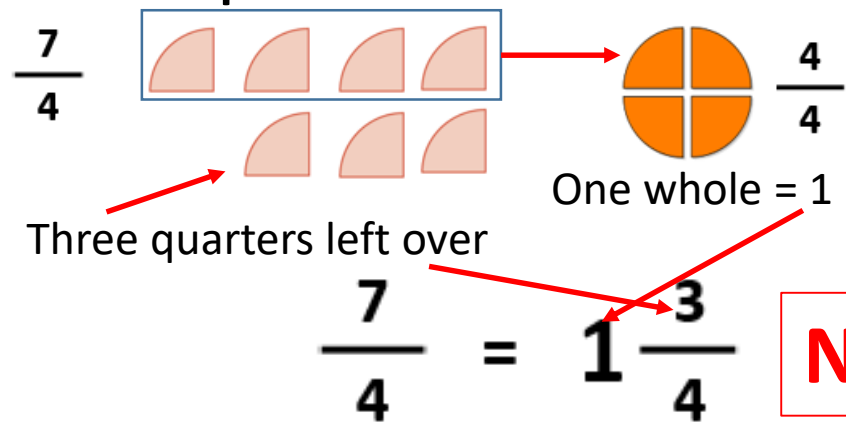
5) $4378 \div 6$



This week we are going to be revising some of our work from the last few weeks – today it is **converting improper fractions and mixed numbers** and **adding and subtracting fractions**.

Converting improper fractions and mixed numbers

e.g. 1) $\frac{7}{4}$ as a mixed number.



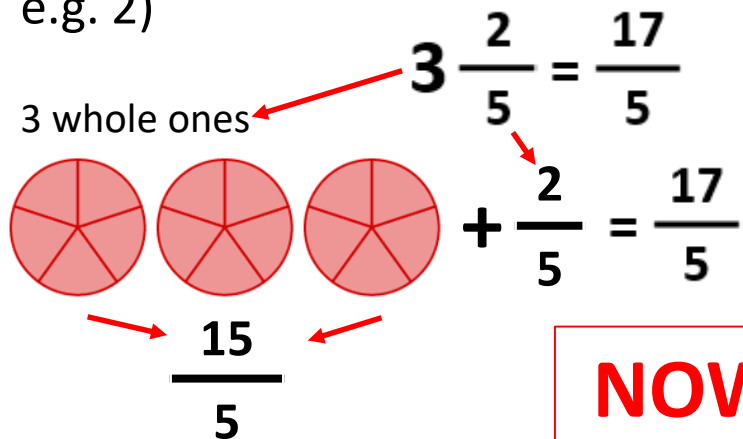
NOW YOU TRY

Section One – Convert these improper fractions into mixed numbers

- 1) $\frac{13}{5}$ 2) $\frac{13}{2}$ 3) $\frac{31}{6}$ 4) $\frac{41}{9}$ 5) $\frac{31}{6}$ 6) $\frac{13}{5}$
- 7) $\frac{11}{3}$ 8) $\frac{13}{2}$ 9) $\frac{33}{7}$

Convert mixed number into an improper fraction

e.g. 2)



NOW YOU TRY

Section Two

Convert these mixed numbers into improper fractions

- | | | | | | |
|--------------------|-----------------|-------------------|------------------|-------------------|-----------------|
| $5 \frac{1}{6}$ | $4 \frac{5}{9}$ | $7 \frac{15}{20}$ | $2 \frac{3}{5}$ | $3 \frac{1}{3}$ | $1 \frac{3}{4}$ |
| $9 \frac{30}{100}$ | $4 \frac{5}{7}$ | $1 \frac{3}{8}$ | $3 \frac{6}{11}$ | $8 \frac{10}{50}$ | $6 \frac{1}{2}$ |

Adding and subtracting fractions

Addition example

e.g. $\frac{3}{4} + \frac{2}{3}$

$$\frac{3}{4} + \frac{2}{3} = \frac{9}{12} + \frac{8}{12} = \frac{17}{12} = 1 \frac{5}{12}$$

We need to convert each fraction so they have the same denominator

$$\frac{3}{4} = \frac{9}{12} \quad \frac{2}{3} = \frac{8}{12}$$

(Multiplication factors: 4 × 3 = 12, 3 × 4 = 12)

Subtraction example

$$\frac{3}{4} - \frac{2}{3} = \frac{9}{12} - \frac{8}{12} = \frac{1}{12}$$

Level One

$$\frac{1}{2} + \frac{3}{8} =$$

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

$$\frac{5}{6} + \frac{1}{12} =$$

$$\frac{3}{4} - \frac{1}{2} =$$

$$\frac{5}{12} + \frac{1}{6} =$$

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

$$\frac{9}{10} - \frac{4}{5} =$$

Level Two

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

$$6. \frac{1}{2} - \frac{1}{6} =$$

$$2. \frac{1}{4} + \frac{1}{8} =$$

$$7. \frac{6}{8} - \frac{1}{4} =$$

$$3. \frac{1}{2} + \frac{3}{10} =$$

$$8. \frac{3}{5} - \frac{3}{10} =$$

$$4. \frac{2}{5} + \frac{7}{15} =$$

$$9. \frac{2}{3} - \frac{4}{15} =$$

$$5. \frac{3}{4} + \frac{1}{12} =$$

$$10. \frac{4}{5} - \frac{4}{20} =$$

Level Three – Word Problems

- Jayden's class recycled $6 \frac{2}{3}$ containers in January. They recycled $5 \frac{5}{8}$ containers in February. How much more did they recycle in January than in February?

- Michelle bought a box of apples that weighed $5 \frac{2}{7}$ kg. She bought a box of pears that weighed $4 \frac{1}{2}$ kg. How much did the boxes of fruit weigh in total?

- Meena had a roll of string that was $6 \frac{3}{5}$ metres long. She cut off $2 \frac{1}{3}$ metres. How much string was left on the roll?

Please complete either Level One and Two OR Level Two and Three

Don't forget to email your teacher with your answers...

So you've got through day one of the last week!!!

Get ready for
day two...Number
Knowledge!

Ready
to go!

