

Miss Robinson's
Maths Group
Homework
Autumn Week 5

Remember to set your work out clearly and write in pencil.

Please try all questions.

Please DO NOT print any of this homework. Write answers directly into your Homework Book and include any working out.

Arithmetic Warm Up

Let's recap the four rules of number with larger numbers.
(leave any remainders as decimals to two decimal places)

$$12\,547 \times 48 =$$

$$25\,148 - 895 =$$

$$154\,406 \div 18 =$$

$$14\,037 + 8\,248 + 92 =$$

Arithmetic Warm Up

Let's recap the four rules of number with fractions.

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

$$\frac{2}{3} - \frac{3}{5} =$$

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

$$\frac{7}{8} \times \frac{1}{5} =$$

LI: to use the four number rules with fractions

$$\left(\frac{2}{3} \times \frac{5}{6}\right) \div 2 = \frac{\square}{\square}$$

A. $\frac{5}{9}$

B. $\frac{5}{18}$

C. $\frac{10}{18}$

$$\left(\frac{3}{8} + \frac{2}{4}\right) \div 7 = \frac{\square}{\square}$$

A. $\frac{1}{8}$

B. $\frac{7}{8}$

C. $\frac{5}{8}$

$$\left(\frac{4}{5} \times \frac{7}{2}\right) \div 2 = \frac{\square}{\square}$$

A. $\frac{1}{14}$

B. $\frac{10}{14}$

C. $\frac{14}{10}$

$$\left(\frac{6}{11} + \frac{2}{3}\right) \times 2 = \frac{\square}{\square}$$

A. $\frac{80}{33}$

B. $\frac{8}{33}$

C. $\frac{8}{3}$

LI: to use the four number rules with fractions

True or false?

Use working out to show your answer.

$$\left(\frac{3}{8} + \frac{1}{7}\right) \times 2 = \frac{8}{56} = \frac{1}{7}$$

$$\left(\frac{5}{4} - \frac{5}{6}\right) \div 5 = \frac{1}{12}$$

1. There are 24 hours in a day and scientists tell us that we should sleep for $\frac{3}{8}$ of the day. How much time should we spend sleeping?

2. The National History Museum has collected 125 dinosaurs. George has collected $\frac{3}{5}$ of this amount. How many dinosaurs has George collected?

3. Mr Murrin is 160cm tall and his brother Tom is $\frac{7}{8}$ as tall as him. How tall is Tom?

4. The weather forecaster says that it is 20° C in London but only $\frac{7}{10}$ as hot in New York. How hot is it in New York?

5. Skateboards cost £36 each in my local store. The shopkeeper says if I buy one I can buy another for only $\frac{7}{9}$ of the normal price. How much would a second skateboard cost?

Warren the gerbil is back!

Warren is a busy young gerbil. He spends $\frac{1}{4}$ of his day playing in his ball and $\frac{1}{2}$ of his day eating.

The remainder of his day, 3 hours, is spent making his warm and comfy bed.

How long is Warren awake and how long does he spend eating?

Remember to bring any questions about the work into Monday's lesson.

Have a wonderful weekend!