

Maths Homework – Mr Earl's group – 18/01/2019

Learn Its!

This week's *Learn Its* to practise are:

12 TIMES TABLE

12×0	=	0
12×1	=	12
12×2	=	24
12×3	=	36
12×4	=	48
12×5	=	60
12×6	=	72
12×7	=	84
12×8	=	96
12×9	=	108
12×10	=	120
12×11	=	132
12×12	=	144

Try saying them in different voices
(scared, happy, shout, whisper etc.)

How many times can you say each fact
in 1 minute?

Fractions of amount

- 1 Find $\frac{2}{5}$ of Joe's marbles. 

I have divided the marbles into equal groups.

There are marbles in each group.

$\frac{2}{5}$ of Joe's marbles is marbles.

- 2 Sam has used a bar model and counters to find $\frac{3}{4}$ of 12



Use Sam's method to calculate:

$\frac{5}{6}$ of 12 $\frac{2}{3}$ of 12 $\frac{2}{3}$ of 18 $\frac{7}{9}$ of 18

- 3 Faye uses a bar model and place value counters to find three quarters of 84



Use Faye's method to find:

$\frac{2}{3}$ of 36 $\frac{2}{3}$ of 45 $\frac{3}{5}$ of 65

We can also find fractions of amount by dividing the number by the **denominator** and then multiplying by the **numerator**.

e.g.

$$\frac{2}{5} \text{ of } 40 = 16$$

because
 $40 \div 5 = 8$
 $2 \times 8 = 16$

Try this method to solve these.

$$\frac{4}{7} \text{ of } 56 = \quad \frac{5}{8} \text{ of } 72 =$$
$$\frac{8}{10} \text{ of } 500 =$$