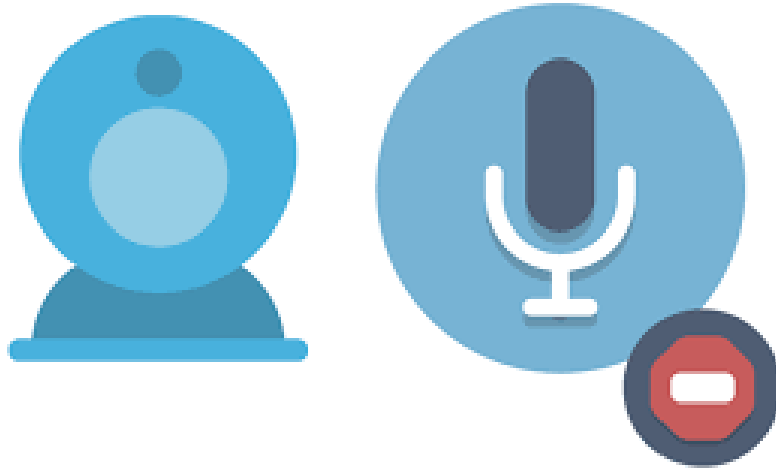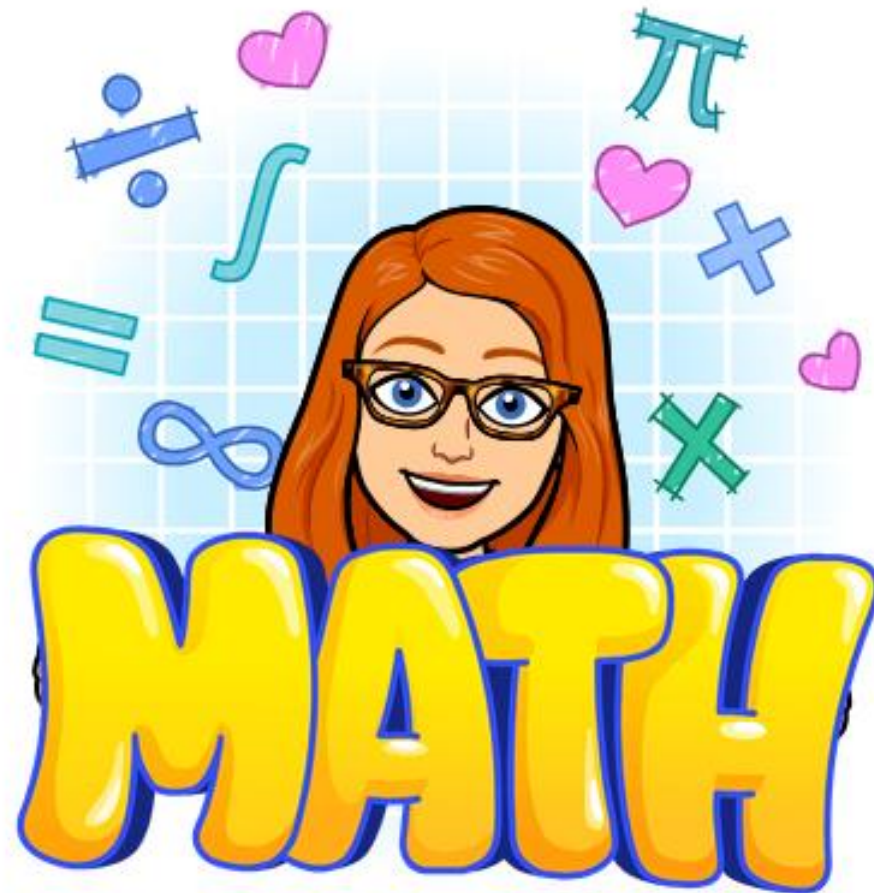# Welcome to Year 4 Maths

The lesson will begin at 11:15am

Turn your camera and microphone off please

Maths Meeting

True or false?

$$\frac{2}{4} + \frac{3}{4} = \frac{5}{8}$$

753.03

Read this number
What is the value of the digit 3?
Multiply this number by 10
What is 0.2 less?

What is the question?

The answer is 120

Which multiplications are incorrect?

1 x 9 = 9   (10 x 9 = 9)   2 x 2 = 4

(3 x 9 = 26)   (10 x 6 = 66)   2 x 9 = 18

7 x 9 = 63   10 x 5 = 50   (2 x 7 = 15)

(10 x 9 = 99)   10 x 3 = 30   (2 x 11 = 24)

What is 1/4 of 120?

30

What is 2/5 of 30?

12

What is 5/10 as a decimal?

0.5

What do you notice about 5/10?

Key Vocabulary

Multiplier	Product
Multiplicand	Distributive law

Sentence Stems:

The product of (number a) and (number b) is (number c).

- The product of 7 and 4 is 28.

Multiplying anything by 1 gives the same number as this is the same as one lot of anything.

When multiplying by 10, the digits move one place to the left.

The distributive law: (number) x (number) = (number) x (number) –/ + (number) x number)

- The distributive law: 9 × 8 = 10 × 8 – 1 × 8

- The distributive law: 11 × 8 = 10 × 8 + 1 × 8

I will know how to recall facts for the 11 and 12 times table.

Review

12 x 6 =

A) 60

B) 66

C) 72

D) 60 and 12

I will know how to recall facts for the 11 and 12 times table.

The astronaut says,

Do you agree?

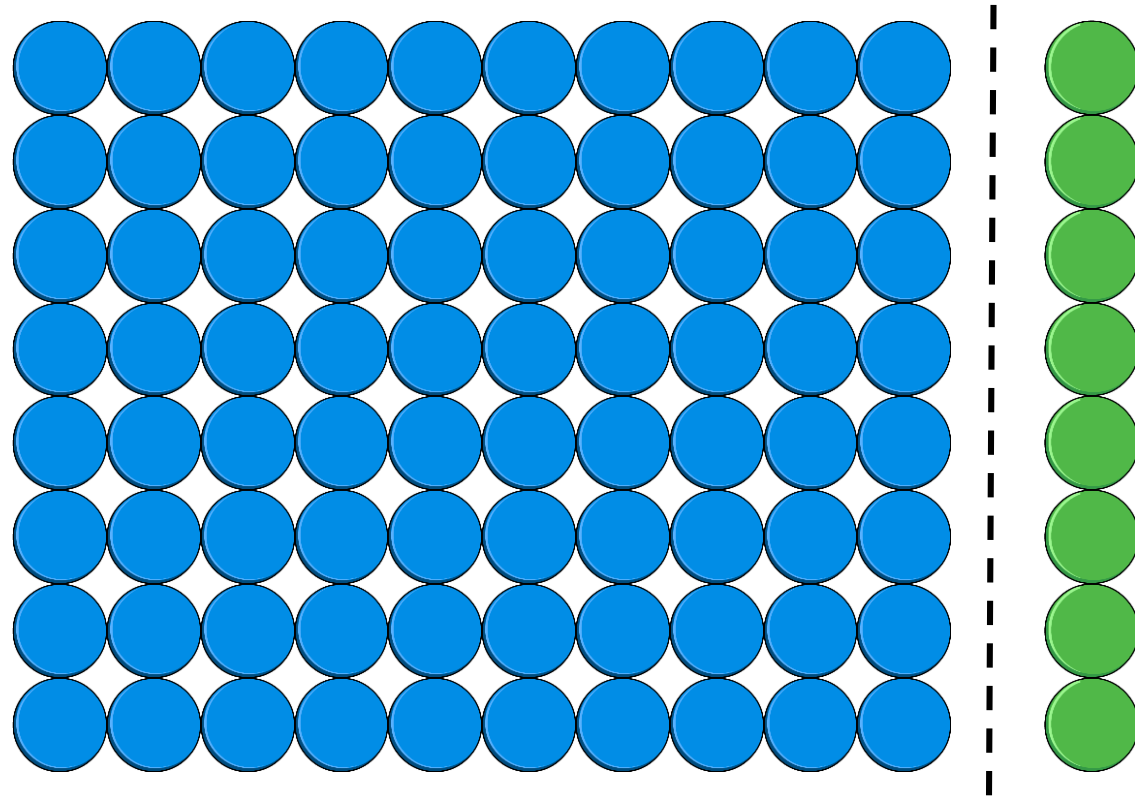Explain your answer.

When I multiply by 10, I add a zero.

The astronaut is incorrect.

When you multiply by 10, the number is 10 times bigger.

When multiplying by 10, the digits move one place to the left.

For example,

11 x 8 =
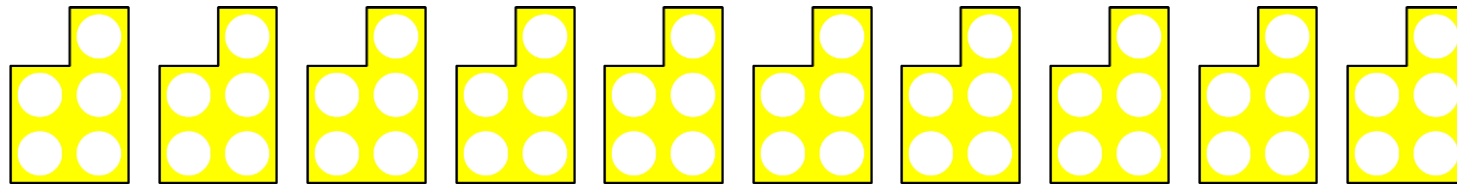
10 x 8 = 80
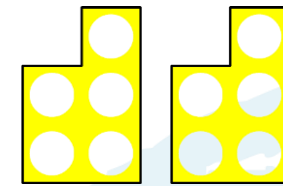
1 x 8 = 8

I will know how to recall facts for the 11 and 12 times table.

I do

Complete the sentences to describe this representation.
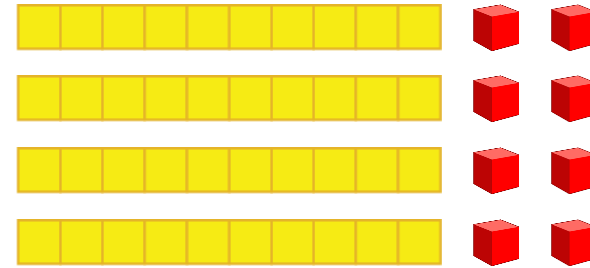
$10 \times 5 = 50$

10 lots of 5 = 50

$2 \times 5 = 10$

2 lots of 5 = 10

_____10_____ x _____5_____ + _____2_____ x _____5_____ = 12 x 5 = _____60_____

I will know how to recall facts for the 11 and 12 times table.

The astronaut has shown 4 x 12 using Base 10.

Complete these calculations based on this representation.

$4 \times 12 = $ __48__

__48__ $\div 12 = 4$

$12 \times 4 = $ __48__

We do

The astronaut has made 60 cookies for a cake sale.

He puts 12 in each bag.

How many bags of cakes does he have?

Complete the bar model to show this calculation

60 cookies				
12	12	12	12	12

60 ÷ 12 = 5.

The astronaut has 5 bags of cookies.

We do- problem solving

6b. Fill in the grid to find the answer.

x	10	1
9	90	9

9 x 11 = 99

Now go onto the assignments page on Teams and complete your assignment. Either submit via Teams if you cannot do this please email your work to year4@oasisskinnerstreet.org

Plenary

6a. Fill in the grid to find the answer.

x	10	2
6		

12 x 6 = ☐

8a. Complete the missing numbers.

A. $\boxed{}$ x 11 = 22

B. 8 x 12 = $\boxed{}$

C. $\boxed{}$ ÷ 2 = 11

D. 96 ÷ $\boxed{}$ = 12