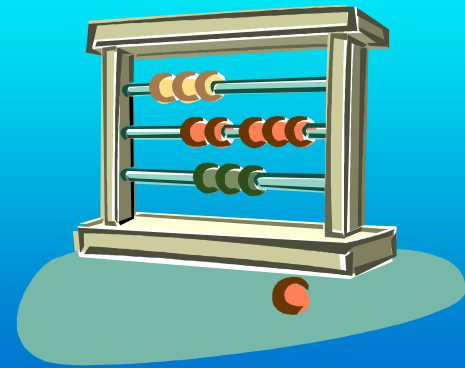
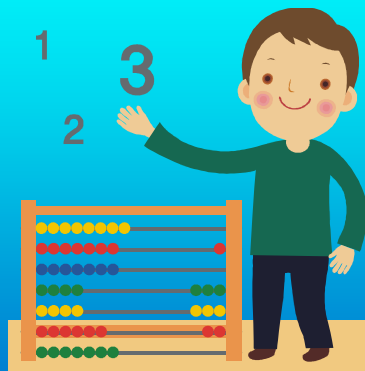
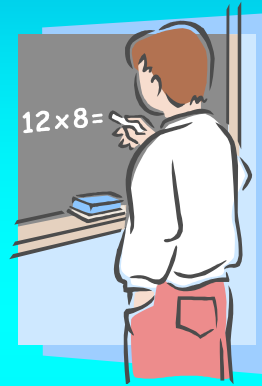


Answer these quick fire
questions on your mini
whiteboards.



Learning Objective



Multiply any integer by 10,
100 and 1000.

Discuss the following
numbers...

26

26000

260

What is the relationship
between these numbers?

26

26000

260

What number is missing in
the sequence?

26

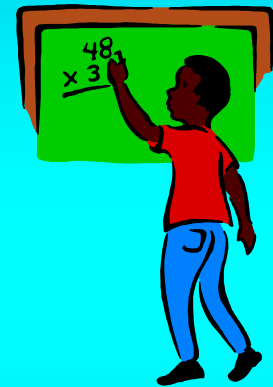
26000

260

What happens when we
multiply 19 by 10?

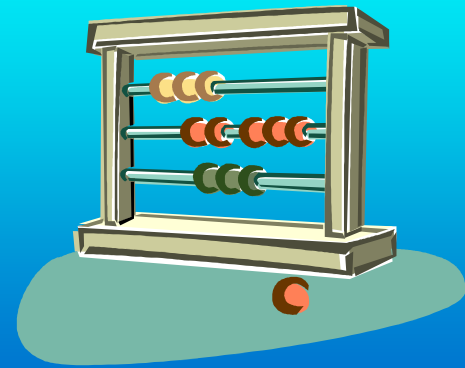
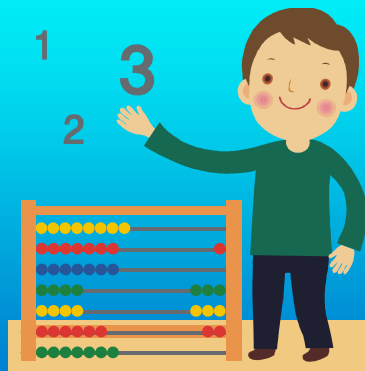
It looks like we add a zero, but
really all the numbers move
one place along the grid to
the left.

Now multiply by 100...

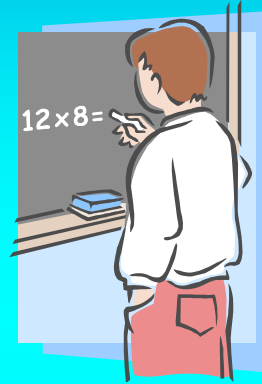


Now multiply by 1000...

Mental Maths



Learning Objective



Multiply any integer by 10,
100 and 1000 in the context
of money.

12000

How can I multiply this
number by 10? 100? 1000?

12000

What if I wanted to divide this number by 10? 100? 1000?

4.5

How can I multiply this
number by 10? 100? 1000?

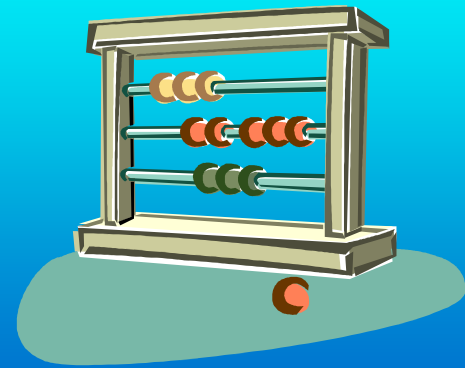
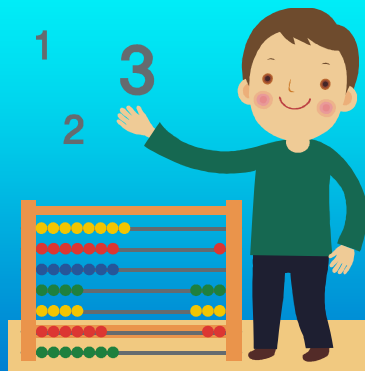
4.5

What if I wanted to divide this number by 10? 100? 1000?

Now try these...



Mental Maths



27000

What if I wanted to divide this
number by 10? 100? 1000?

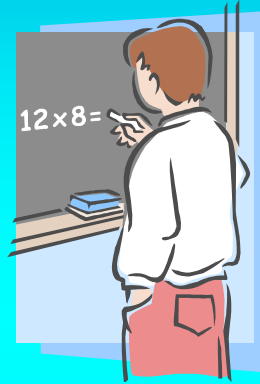
Jo's shelf is 126cm long.
She wants to put 10 boxes
on this shelf. How much
space will she have for each
box?



Henri has scored 5923 runs
in cricket over 100 matches.
How many runs has he
scored on average in each
match?



Learning Objective



Multiply using the grid method including decimals.

STARTING OFF

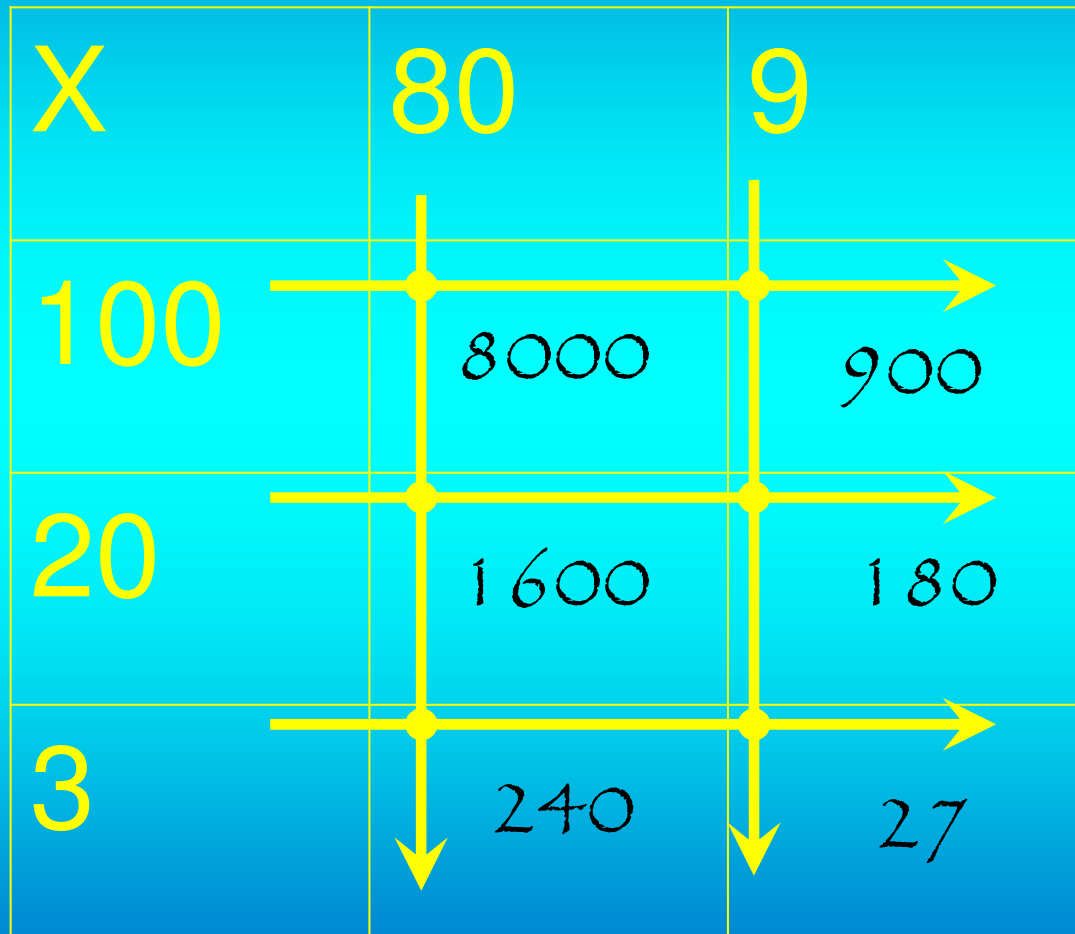
$$89 \times 123$$

X	80	9
100		
20		
3		

First
partition
each
number
like this.

Where everything goes...

X	80	9
100	8000	900
20	1600	180
3	240	27



Now times where the arrows meet (where the dots are).

Totalling

X	80	9
100	8000	900
20	1600	180
3	240	27

Now total up
all the circled
numbers.

8900

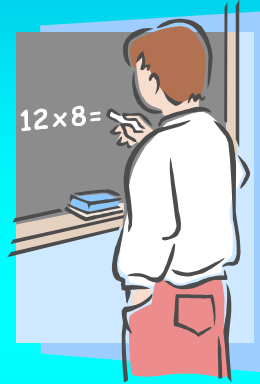
1780

267

+

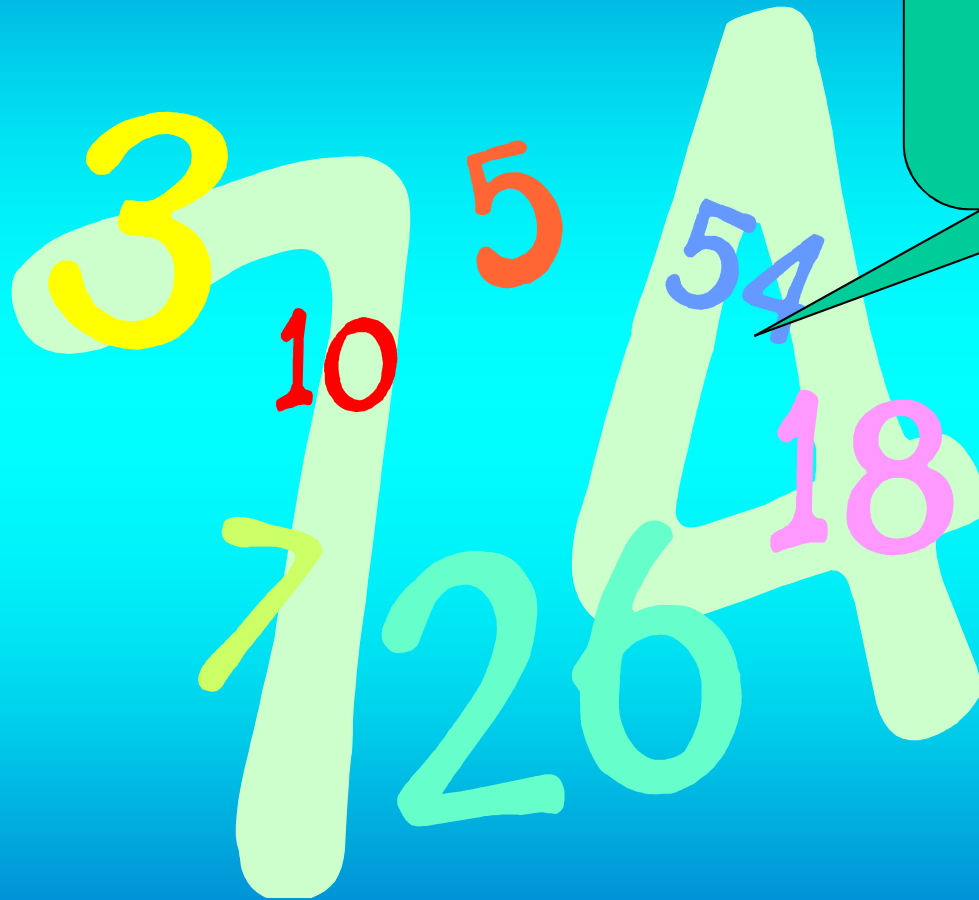
10947

Learning Objective



Multiply using the grid method including decimals.

**CLICK ON
ME!**



STARTING OFF

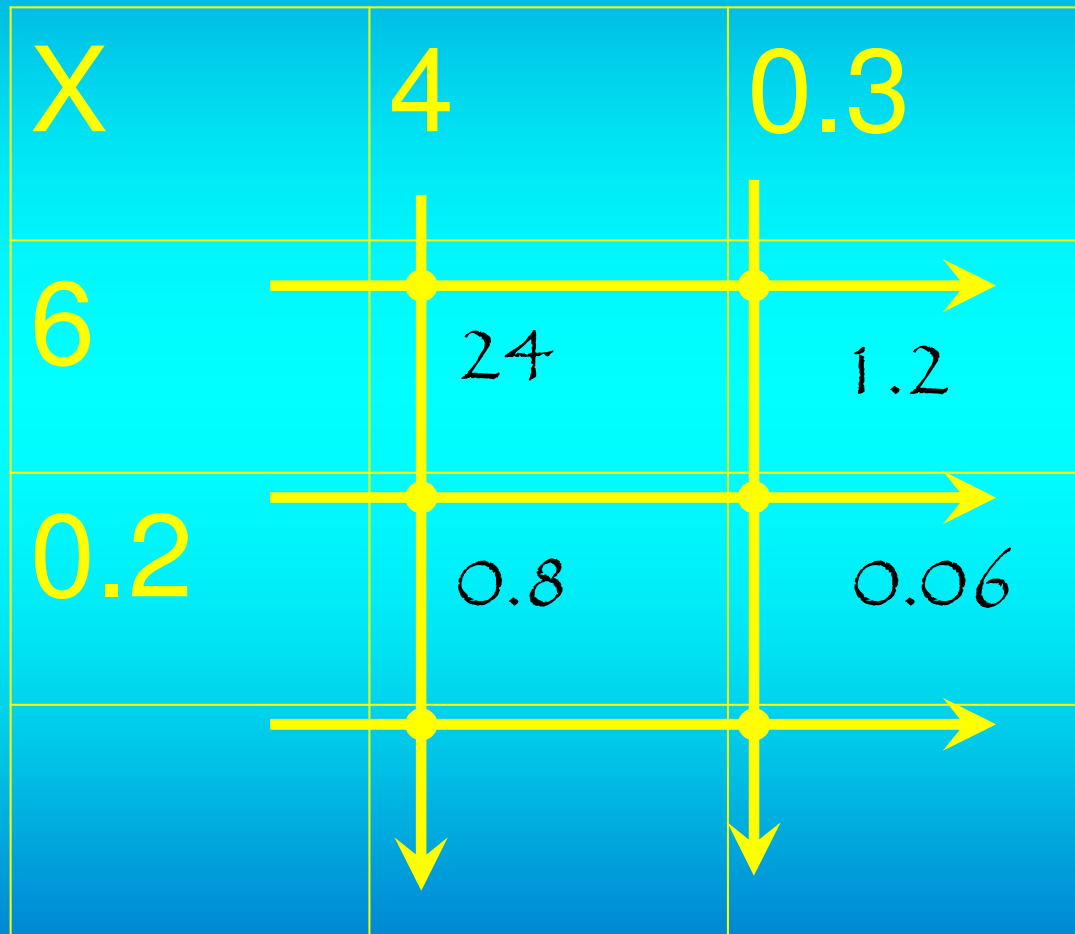
$$4.3 \times 6.2$$

X	4	0.3
6		
0.2		

First
partition
each
number
like this.

Where everything goes...

X	4	0.3
6	24	1.2
0.2	0.8	0.06



Now times where the arrows meet (where the dots are).

Totalling

X	4	0.3	
6	24	1.8	=====
0.2	0.8	0.06	=====
			=====

+

Now total up
all the circled
numbers.

25.8

0.86
