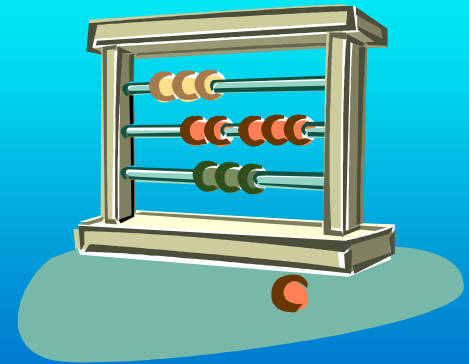
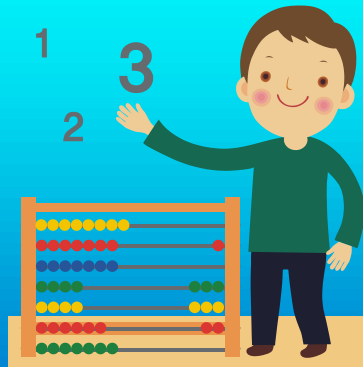
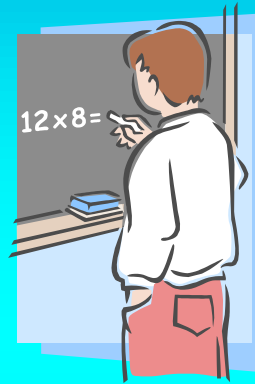


Answer these quick fire questions on your mini whiteboards.



# 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**

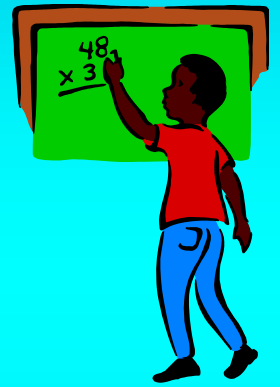
**26000**

**260**

What happens when we multiply 19 by 10?

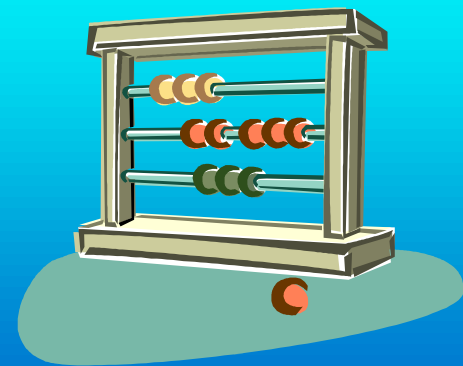
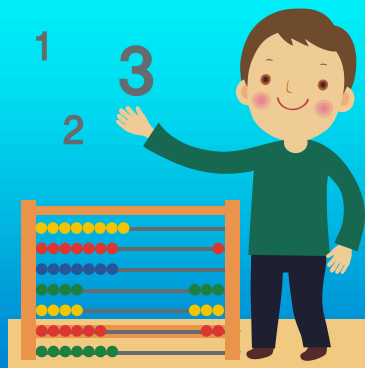
It looks like we add a zero, but really all the numbers move one place along the grid to the left.

Now multiply by 100...



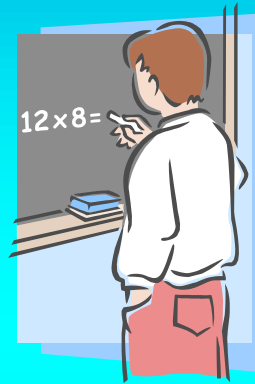
Now multiply by 1000...

# 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?

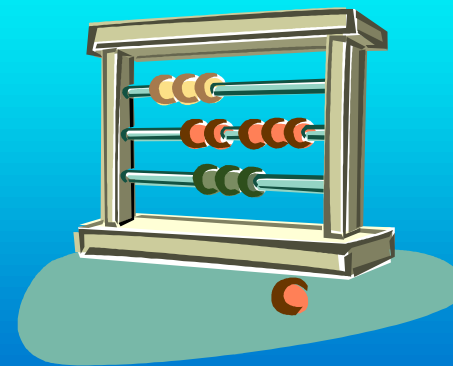
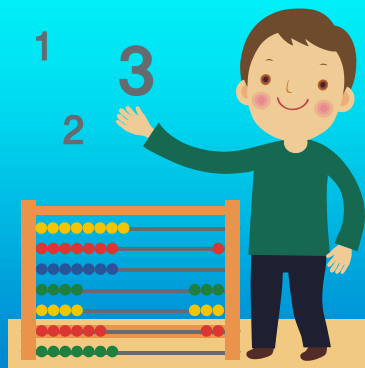
4.5

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?



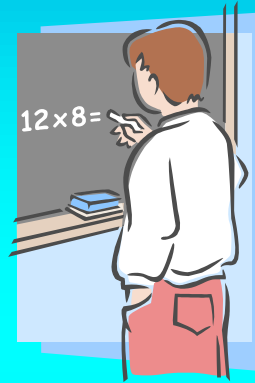
Jo's shelf is 126cm long.  
She wants to put 10 boxes  
on this shelf. How much  
space will she have for each  
box?



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

=====  
=====

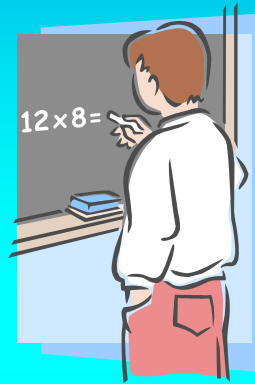
267

+

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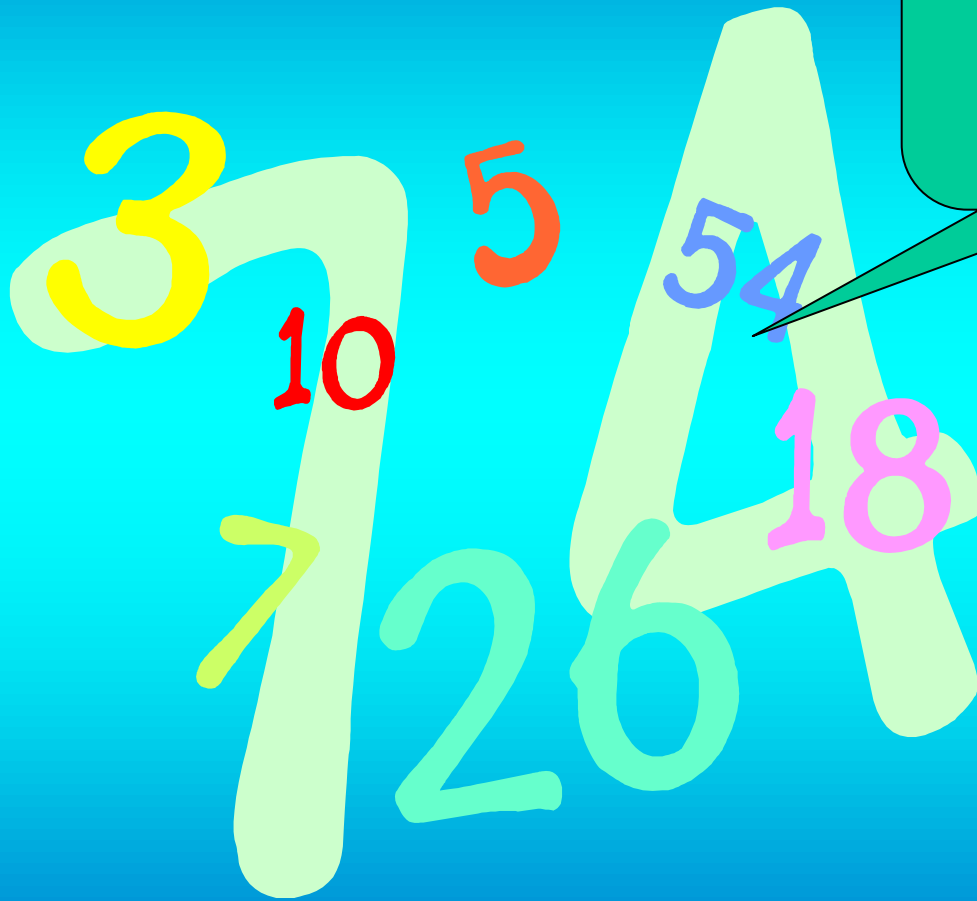
10947

# 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

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