

04/05/2020

**LO: To multiple a 3 digit
number by a 1 digit number.**

Problem of the day!



It takes Dexter 65 seconds to wolf down his dinner. If he does this for 7 days a week, how many minutes and seconds does he spend eating?

What is this sign?

X

What do you
already
know?

What does it
mean?

What happens
when you use
it?

Let's
Recap

What do you know about multiplication?

What happens to the values when you multiply?

They get BIGGER!

Let's
Recap

What do you know about
multiplication?

Where does the
biggest number go?

$$3 \times 2 = 6$$

At the end!

Let's
Recap

What do you know about
multiplication?

Can multiplication be done in any order?

$$4 \times 2 = 8$$

$$2 \times 4 = 8$$

YES!



How will I solve this?

A sports club hired three coaches for the club members.
Each coach has 121 members seated.
How many members are seated altogether?

Hundreds	Tens	Ones
	 	
	 	
	 	

What method could I use?

Column method

$$\begin{array}{r} 5 \ 6 \ 7 \\ + 1 \ 9 \ 9 \\ \hline 7 \ 6 \ 6 \end{array}$$



Now solve it....

A sports club hired three coaches for the club members.
Each coach has 121 members seated.
How many members are seated altogether?

Hundreds	Tens	Ones
	 	
	 	
	 	



**Let's Check
Your Answers!**

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 1 \quad 2 \quad 1 \\ \times \quad \quad 3 \\ \hline 3 \quad 6 \quad 3 \end{array}$$



Write the multiplication represented by the counters using the formal written method (column method).

Hundreds	Tens	Ones
100 100 100	10	1 1 1
100 100 100	10	1 1 1
100 100 100	10	1 1 1
100 100 100	10	1 1 1

$$\begin{array}{r} \\ \hline 1 \end{array}$$



Let's Check Your Answers!

Miss says.....

**Today we are learning to
multiply a 3 digit
number by a 1 digit
number.**

What will my success criteria look like?



I can read a problem

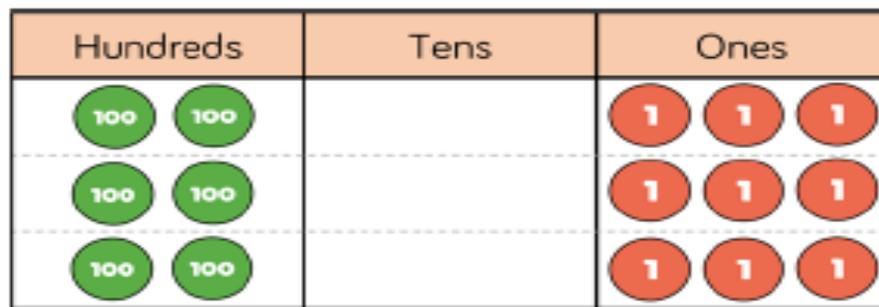
I can identify the key information needed to solve the problem

I can decide what strategy I need to use to solve the problem

I can solve the problem and check my answer

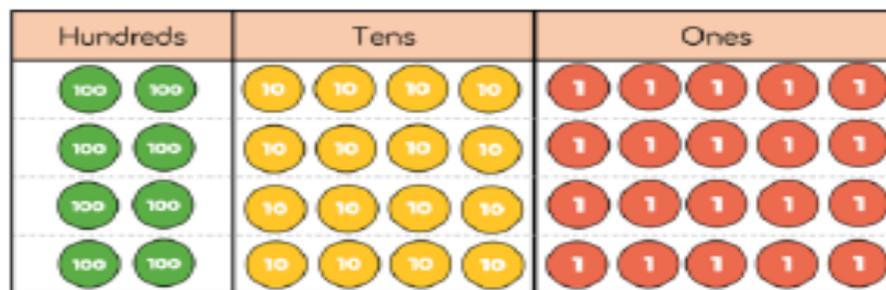


Complete the calculation.



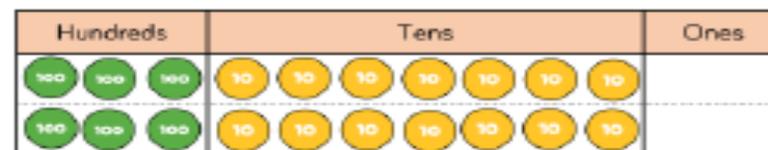
	H	T	O
	2	0	3
×			3
<hr/>			

A school has 4 house teams.
There are 245 children in each house team.
How many children are there altogether?



	H	T	O
	2	4	5
×			4
<hr/>			

Write the multiplication represented by the counters and calculate the answer using the formal written method.



Spot the mistake

Alex and Dexter have both completed the same multiplication.



Alex

	H	T	O
	2	3	4
×			6
<hr/>			
	1	2	0

2 2



Dexter

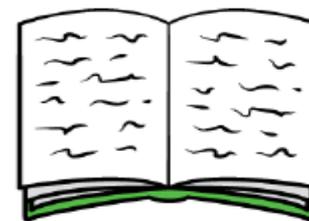
	H	T	O
	2	3	4
×			6
<hr/>			
	1	4	0

2 2

Who has the correct answer?

What mistake has been made by one of the children?

Teddy and his mum were having a reading competition.
In one month, Teddy read 814 pages.



His mum read 4 times as many pages as Teddy.

How many pages did they read altogether?

How many fewer pages did Teddy read?
Use the bar model to help.

Teddy

814

Mum

814	814	814	814
-----	-----	-----	-----

When you have completed your work
look at the next pages to check your
answers.



Complete the calculation.

Hundreds	Tens	Ones
100 100		1 1 1
100 100		1 1 1
100 100		1 1 1

	H	T	O
	2	0	3
×			3
	9	8	0

ANSWER

A school has 4 house teams.
There are 245 children in each house team.
How many children are there altogether?

Hundreds	Tens	Ones
100 100	10 10 10 10	1 1 1 1 1
100 100	10 10 10 10	1 1 1 1 1
100 100	10 10 10 10	1 1 1 1 1
100 100	10 10 10 10	1 1 1 1 1

	H	T	O
	2	4	5
×			4
	6	0	9

Write the multiplication represented by the counters and calculate the answer using the formal written method.

Hundreds	Tens	Ones
100 100 100	10 10 10 10 10 10 10	
100 100 100	10 10 10 10 10 10 10	

3

$$\begin{array}{r}
 \text{H T O} \\
 370 \\
 \times \quad \quad 2 \\
 \hline
 740
 \end{array}$$

ANSWER

Spot the mistake

Alex and Dexter have both completed the same multiplication.



Alex

	H	T	O
	2	3	4
x			6
<hr/>			
1	2	0	4
	2	2	



Dexter

	H	T	O
	2	3	4
x			6
<hr/>			
1	4	0	4
	2	2	

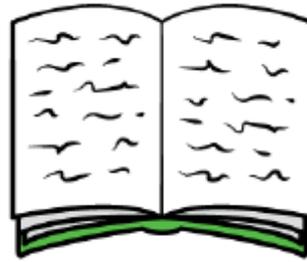
Who has the correct answer?

What mistake has been made by one of the children?

Dexter has the correct answer.

Alex has forgotten to add the two hundreds she exchanged from the tens column.

Teddy and his mum were having a reading competition.
In one month, Teddy read 814 pages.



His mum read 4 times as many pages as Teddy.

How many pages did they read altogether?

How many fewer pages did Teddy read?
Use the bar model to help.

Teddy

814

Mum

814

814

814

814

$$814 \times 5 = 4,070$$

They read 4,070 pages altogether.

$$814 \times 3 = 2,442$$

Teddy read 2,442 fewer pages than his mum.

Plenary



I can do this!

Check your work!!



I'm getting there.

Did you meet the learning objective?



I need help!

Self assess- How did you find the work today?