

Numeracy

LO: To multiply by 10, 100 and 1000

15/10/20

Your first task is the fluent in five activity. Instead of using a whiteboard can you complete this on a piece of paper?

Fluent in Five

Challenge
Quarter it

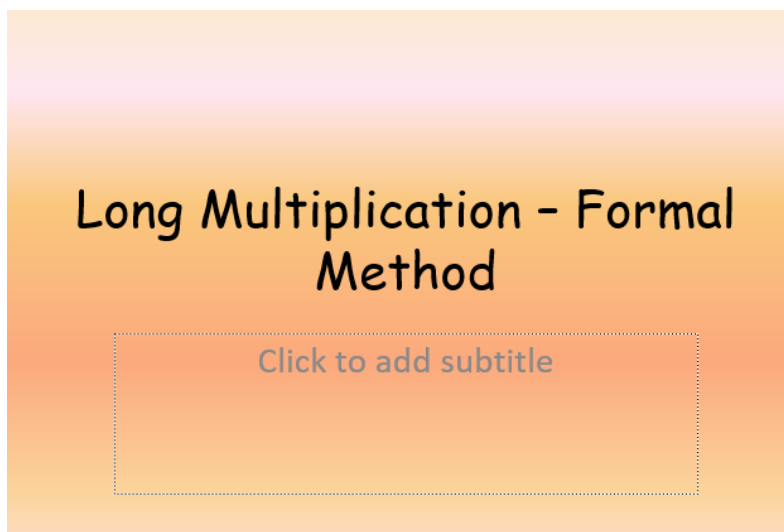
SMART Random Number Generator
82

- Double it
- Half it
- + 10
- - 10
- $\times 10$
- $\div 10$
- + 1000
- Square

In your Numeracy books you need to put the date and title. You now need to watch the video that looks a little bit like this. You will need something to write on for some of the questions.



There is a second video on long multiplication



Red and Blue Learning

You should have taken one of these sheets home on Thursday. If not can you please copy these questions into your book.

A)	$\begin{array}{r} 54 \\ X \ 3 \\ \hline \end{array}$
$\begin{array}{r} 42 \\ X \ 2 \\ \hline \end{array}$	_____

B)	$\begin{array}{r} 56 \\ X \ 5 \\ \hline \end{array}$
$\begin{array}{r} 24 \\ X \ 5 \\ \hline \end{array}$	_____

C)	$\begin{array}{r} 33 \\ X \ 4 \\ \hline \end{array}$
$\begin{array}{r} 36 \\ X \ 4 \\ \hline \end{array}$	_____

D)	
$\begin{array}{r} 21 \\ X \ 6 \\ \hline \end{array}$	

E)	
$\begin{array}{r} 32 \\ X \ 4 \\ \hline \end{array}$	

A)	$\begin{array}{r} 453 \\ X \ 2 \\ \hline \end{array}$
$\begin{array}{r} 432 \\ X \ 3 \\ \hline \end{array}$	_____

B)	$\begin{array}{r} 133 \\ X \ 6 \\ \hline \end{array}$
$\begin{array}{r} 154 \\ X \ 4 \\ \hline \end{array}$	_____

C)	$\begin{array}{r} 446 \\ X \ 5 \\ \hline \end{array}$
$\begin{array}{r} 324 \\ X \ 3 \\ \hline \end{array}$	_____

D)	
$\begin{array}{r} 516 \\ X \ 6 \\ \hline \end{array}$	

E)	
$\begin{array}{r} 336 \\ X \ 5 \\ \hline \end{array}$	

Green Learning

A)		F)	
	12		1765
X	<u>12</u>	X	<u>4</u>
_____		_____	
B)		G)	
	256		46
X	<u>23</u>	X	<u>35</u>
_____		_____	
C)		H)	
	13		262
X	<u>34</u>	X	<u>43</u>
_____		_____	
D)			
	263		
X	<u>16</u>		

E)			
	316		
X	<u>33</u>		

Yellow and Orange Learning

A) 2843 <u>X 5</u> _____	E) 4263 <u>X 4</u> _____
B) 428 <u>X 14</u> _____	G) 228 <u>X 18</u> _____
C) 153 <u>X 53</u> _____	H) 67 <u>X 19</u> _____
D) 73 <u>X 16</u> _____	I) 42 <u>X 19</u> _____
E) 369 <u>X 26</u> _____	

Challenge



1) Can you identify the missing digits in these calculations?

a)

<input type="text"/>	2	<input type="text"/>	2
x			3
9	<input type="text"/>	3	6

b)

<input type="text"/>	4	<input type="text"/>	1	<input type="text"/>
x				4
<input type="text"/>	6	0	6	0

c)

<input type="text"/>	<input type="text"/>	1	<input type="text"/>	<input type="text"/>
x				5
3	0	5	1	5

2) Replace the letters with numbers to make this multiplication calculation work.

a) Find 3 possible solutions.

A	B	B	A
x			C
C	D	D	C



b) Explain how you found solutions. For example, what can the letters be and what can they not be?
