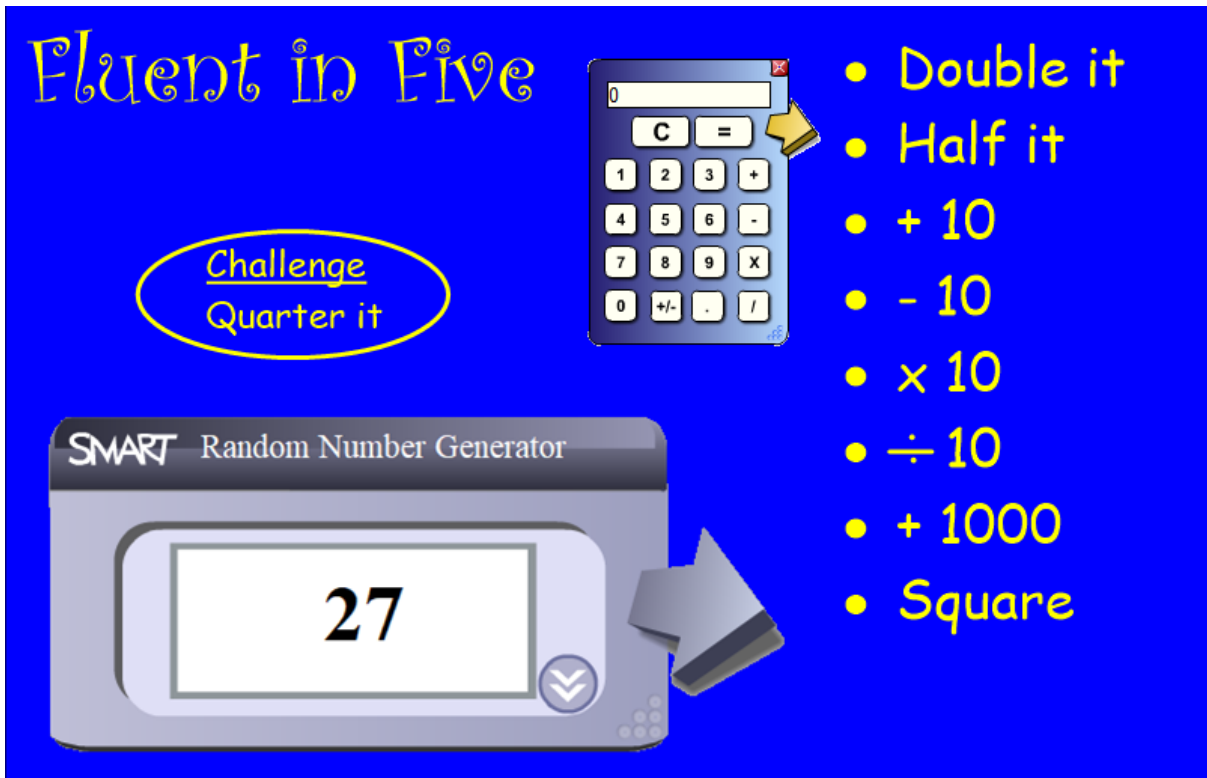


Numeracy

LO: To multiply by 10, 100 and 1000

13/10/20

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
27

- 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 the 'We Do' section.

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
		4	3	• 9	
				•	
				•	

To multiply by 10 all the digits move one space to the left.

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.

- 1) Complete these sentences by choosing words from the box below.

You can use a word more than once if necessary.

To multiply by 10, we move each digit _____ place to the _____.

To multiply by 100, we move each digit _____ place to the _____.

To multiply by 1000, we move each digit _____ place to the _____.

one	left	three	two
	right	top	four

- 2) Use your Digit Cards 0-9 and Million Place Value Grid to help you to multiply these numbers by 10, 100 and 1000.

a) $345 \times 10 =$ _____

b) $863 \times 10 =$ _____

c) $59 \times 100 =$ _____

d) $709 \times 10 =$ _____

e) $5 \times 1000 =$ _____

f) $92 \times 100 =$ _____

g) $814 \times 10 =$ _____

h) $900 \times 10 =$ _____

i) $64 \times 100 =$ _____

j) $9 \times 1000 =$ _____



- 1) Complete these sentences by choosing words from the box below.
You can use a word more than once if necessary.

To multiply by 10, we move each digit _____ place to the _____.

To multiply by 100, we move each digit _____ place to the _____.

To multiply by 1000, we move each digit _____ place to the _____.

one	left	three	two
	right	top	four

- 2) Match the planets with their moons. Use your Million Place Value Grid to help you if you need to.

Planets and Moons with Multiplication Problems:

- Planet 1: 344×100
- Planet 2: 4912×100
- Planet 3: 344×10
- Planet 4: 99×100
- Planet 5: 8291×10
- Planet 6: 99×10
- Planet 7: 28×1000
- Planet 8: 79×1000
- Planet 9: 6782×10
- Planet 10: 99×1000
- Moon 1: $99\ 000$
- Moon 2: $82\ 910$
- Moon 3: 9900
- Moon 4: 3440
- Moon 5: $491\ 200$
- Moon 6: 990
- Moon 7: $67\ 820$
- Moon 8: $28\ 000$
- Moon 9: $34\ 400$
- Moon 10: $79\ 000$

- 1) Complete these sentences by choosing words from the box below.
You can use a word more than once if necessary.

To multiply by 10, we move each digit _____ place to the _____.

To multiply by 100, we move each digit _____ place to the _____.

To multiply by 1000, we move each digit _____ place to the _____.

one	left	three	two
	right	top	four

- 2) Complete these calculations:

a) $56 \times 100 =$ _____

b) $3219 \times 10 =$ _____

c) $1000 \times 149 =$ _____

d) $70\,002 \times 10 =$ _____

e) $71 \times 1000 =$ _____

f) $100 \times 1000 =$ _____

g) $10 \times 10\,345 =$ _____

h) $1000 \times 90 =$ _____



3) Match the planets with their moons.

A collection of 30 circular icons, each containing a number or a mathematical expression. Two icons are replaced by images of planets with rings (Saturn).

Numbers and expressions:

- 8200
- 925 700
- 74 400
- 10 000
- 92 570
- 404 000
- 28 000
- 92 470
- 744 000
- 8290
- 23 * 1000
- 2800
- 1000
- 100 * 100
- 23 000
- 40 400
- 744 * 100
- 280 * 100
- 303 000
- 4040 * 10
- 303 * 100
- 100 * 1001
- 82 000
- 2300
- 10 * 8290
- 62 * 1000
- 30 330
- 100 100
- 9257 * 10
- 829 400
- 2802
- 30 300
- 10 100
- 7440
- 82 020
- 101 000
- 23 030
- 82 940
- 40 004
- 1 000 000

Challenge

Challenge



Mr Nando says to multiply by
10 just add a zero.

Do you agree with Mr Nando?
Why?