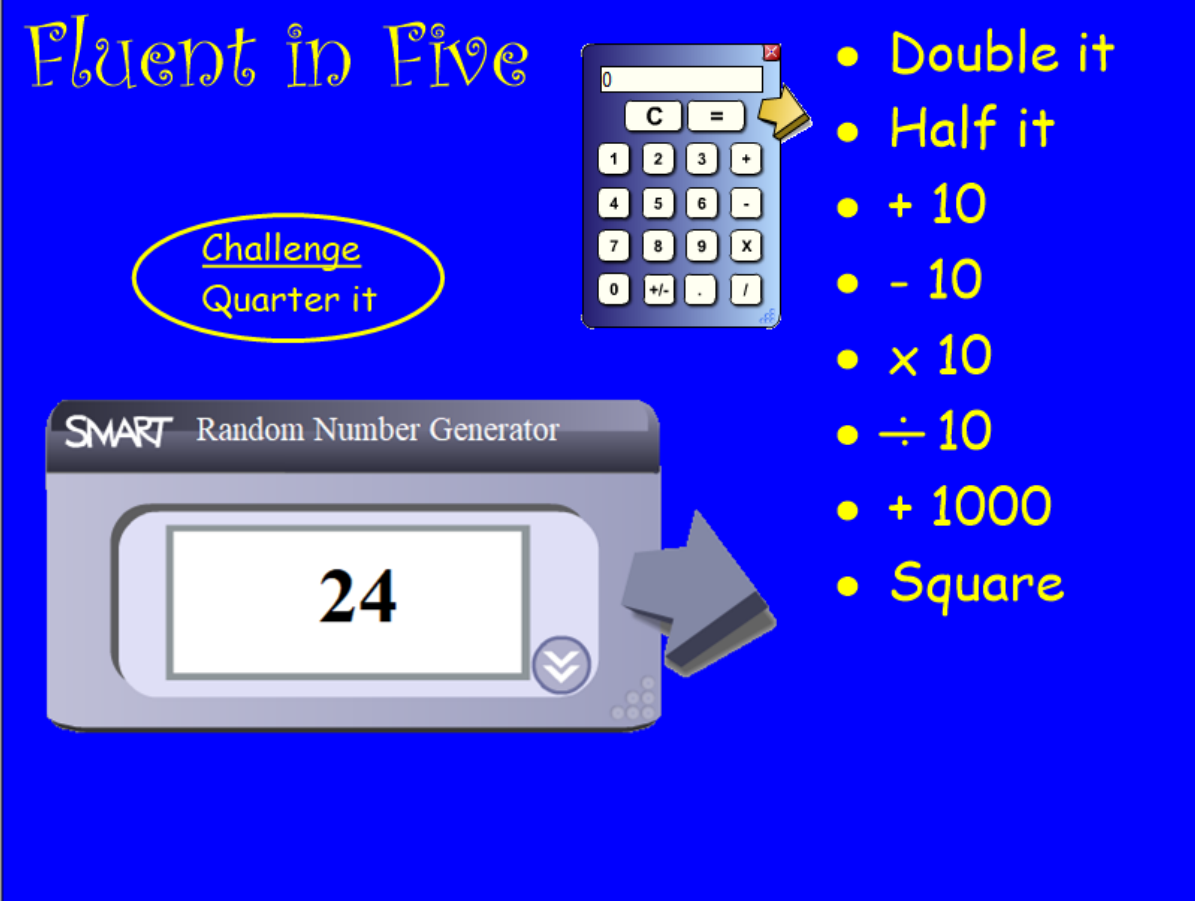


Numeracy

LO: To find factors and multiples

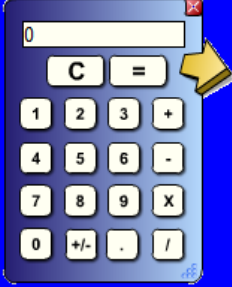
12/10/20

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

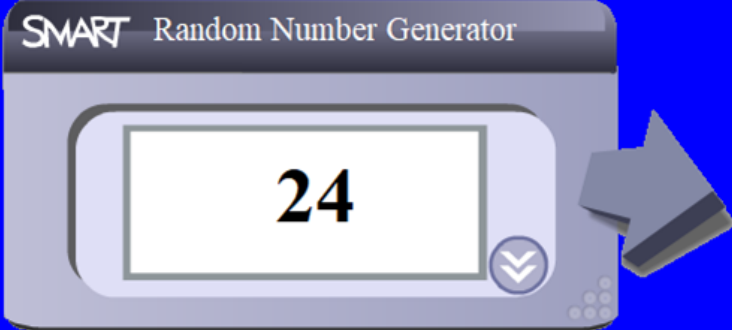


Fluent in Five

Challenge
Quarter it



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



Multiples

Multiples are nice and easy. They are numbers that appear in the MULTIPLICATION tables of any given number.

For example:



Which of these numbers above are multiples of 4?

Which numbers are multiples of 9?

Which numbers are multiples of 3?

What is a multiple?

A multiple is a number that may be divided by another a certain number of times without a remainder



Factor: A number which goes into another number without leaving a remainder

How can we make 12?

$$1 \times 12 = 12$$

$$2 \times 6 = 12$$

$$3 \times 4 = 12$$

So, the factors of 12 are...

- 1 2 3 4 6 12

Your turn...
What are the factors of...

8?	53?		
30?	24?	13?	27?
18?	100?	41?	

What is a factor?

Factors are numbers we can multiply together to get another number

Red and Blue Learning

12.10.20
LO: To find multiples and factors

Multiples of 3	Multiples of 4
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12.10.20
LO: To find multiples and factors

Multiples of 5	Multiples of 6
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Green Learning

12.10.20

LO: To find multiples and factors

- a) List 5 multiples of 7.
- b) List 6 multiples of 8.
- c) Is 82 a multiple of 9? Why?
- d) List all the factors of 30 (there are 6).
- e) List all the factors of 12 (there are 6).
- f) Is 7 a factor of 63? Why?
- g) Find numbers that are common multiples of 3 and 5.
- h) Find numbers that are common multiples of 2 and 7.

Yellow and Orange Learning

12.10.20

LO: To find multiples and factors

1. What numbers between **1 and 20** only have 2 factors (There are 8)?
 - a. e.g. 23 has only 2 factors. 1 and 23 (1x23)
2. All multiples of 10 end in 5 or 0. TRUE or FALSE? Why?
3. All multiples of 5 end in 5. TRUE or FALSE? Why?
4. Multiples of 2 only end in 0, 2, 4, 6 or 8. TRUE or FALSE? Why?
5. All multiples of 3 are odd. TRUE or FALSE? Why?

Challenge

Seth's age is a multiple of 5 and is 3 more than a multiple of 4.

He is younger than 30.

How old is Seth?

Sol's age is a multiple of 12 and is 5 less than a multiple of 11.

How old is Sol?