


# **Understanding Multiplication and Division**

**Year 2 Summer Term Week 10**

**Lesson 1**

# Today we will be learning to:

- multiply and divide numbers
  - use multiplication and division vocabulary
  - multiply and divide by 10
  - find unknown numbers.
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# Mental Activity

What's my number operation?

One child wears a headband with a number attached to it.

That same person calls out a number to the class.

The class multiplies that number by the number on the headband and calls out the answer.

The child with the headband works out what the number on the headband is.

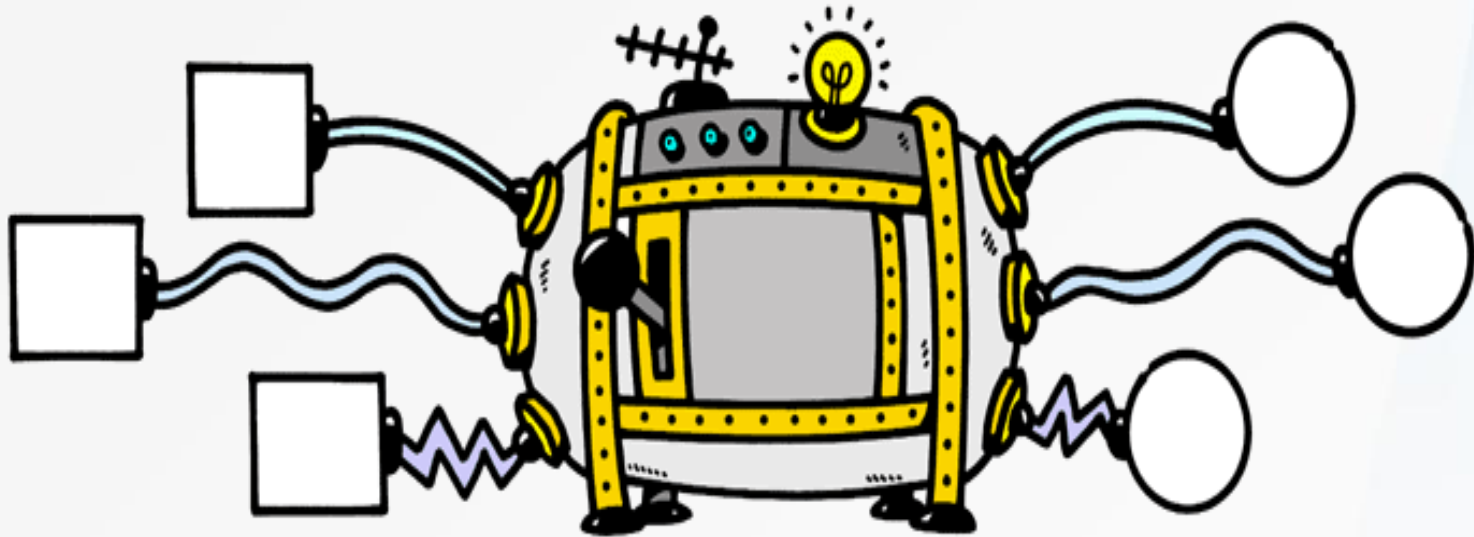
# Main Activity

Today we are going to

work on problems involving multiplication  
and division

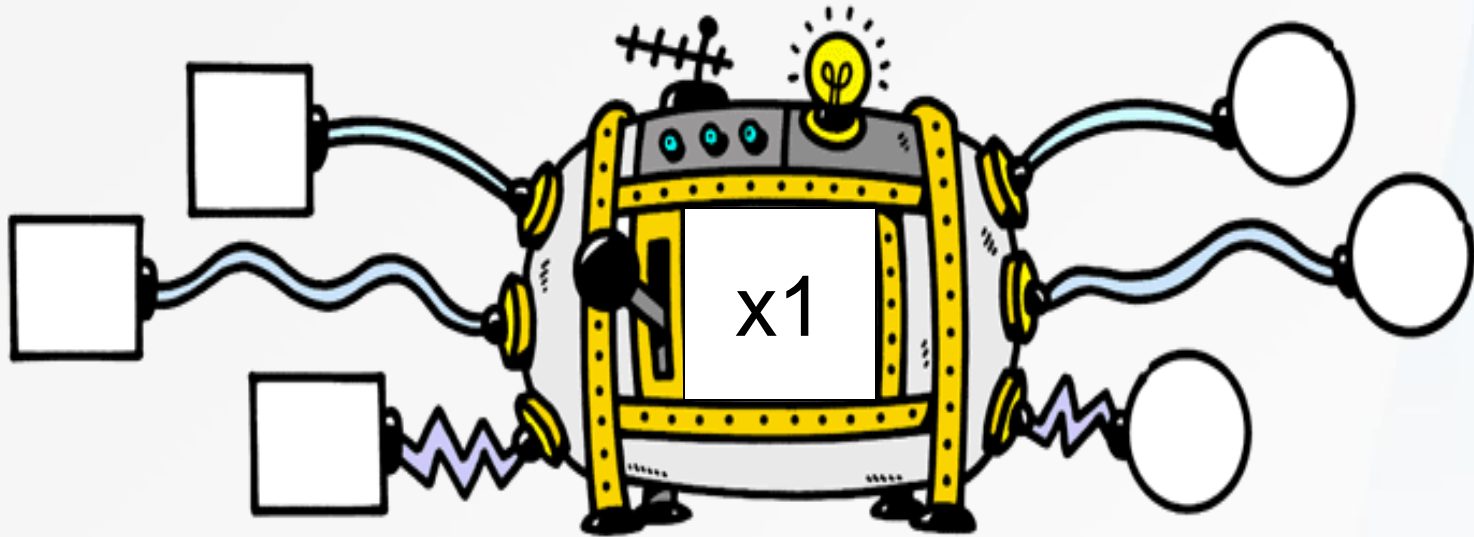
including finding unknowns.

# Function machine.



This machine carries out number operations.

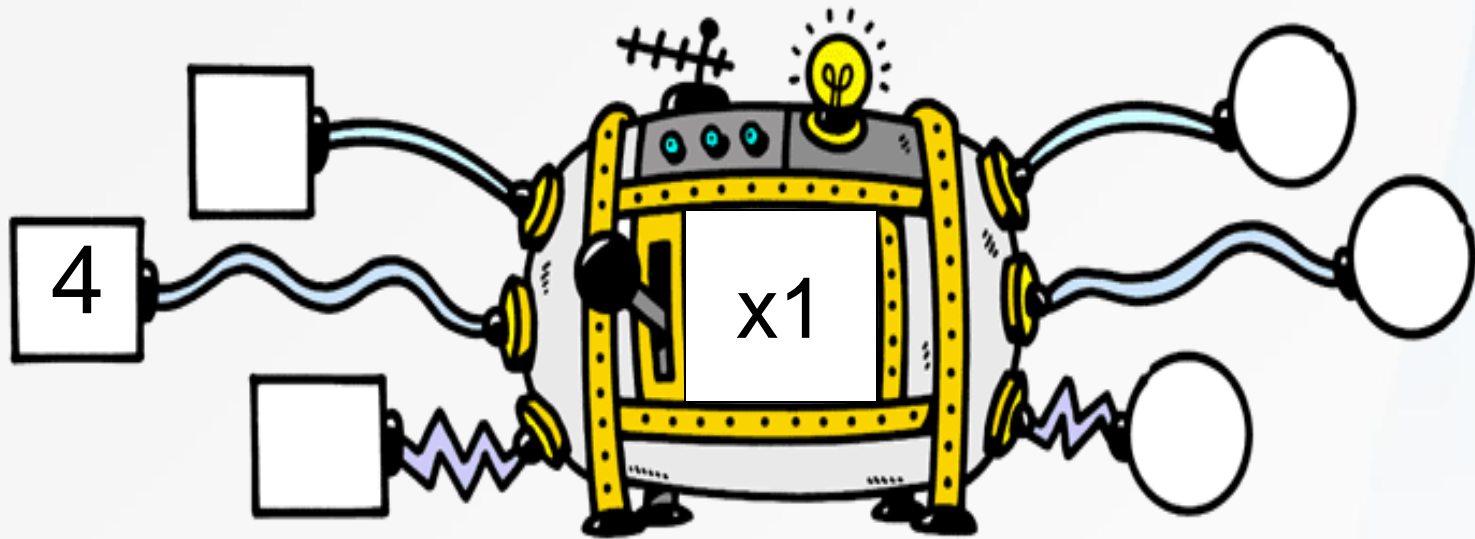
# Function machine.



This is a  $x1$  function machine.

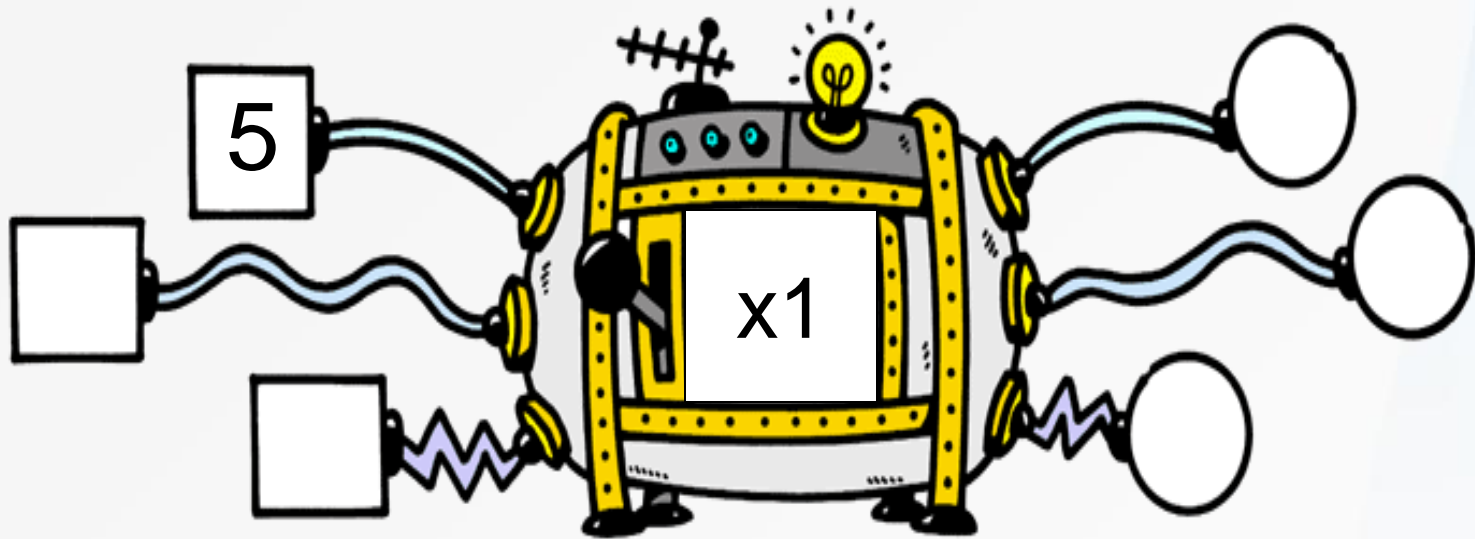


# Function machine.



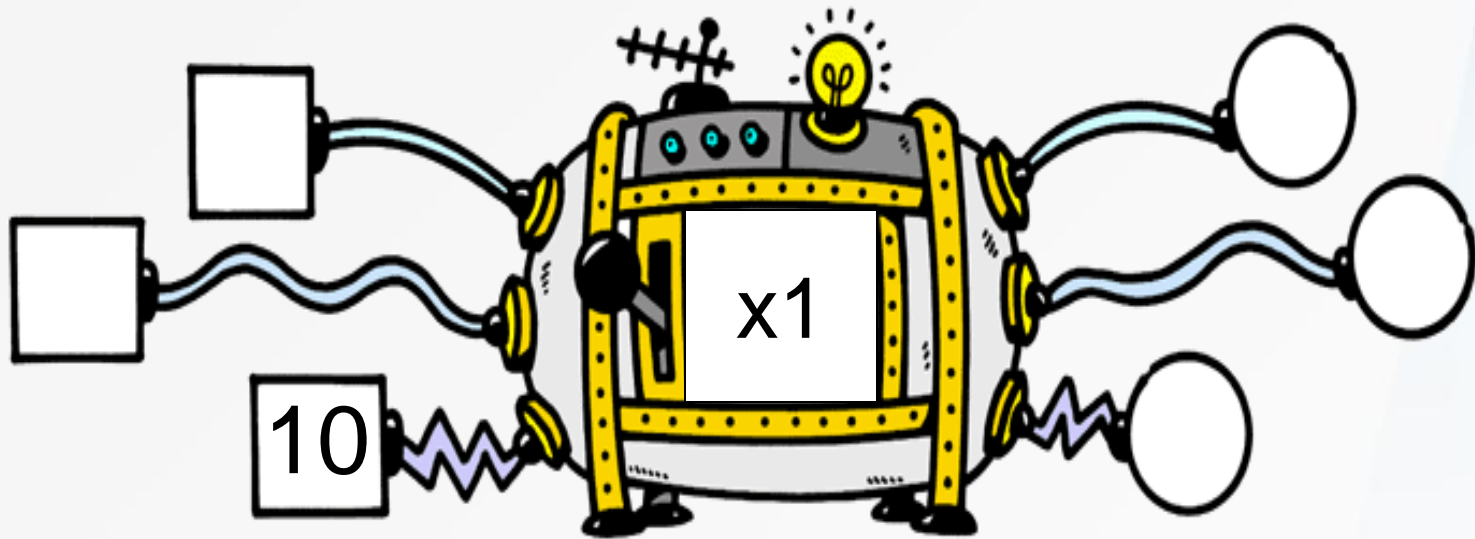
If 4 goes in  
what number will come out?

# Function machine.



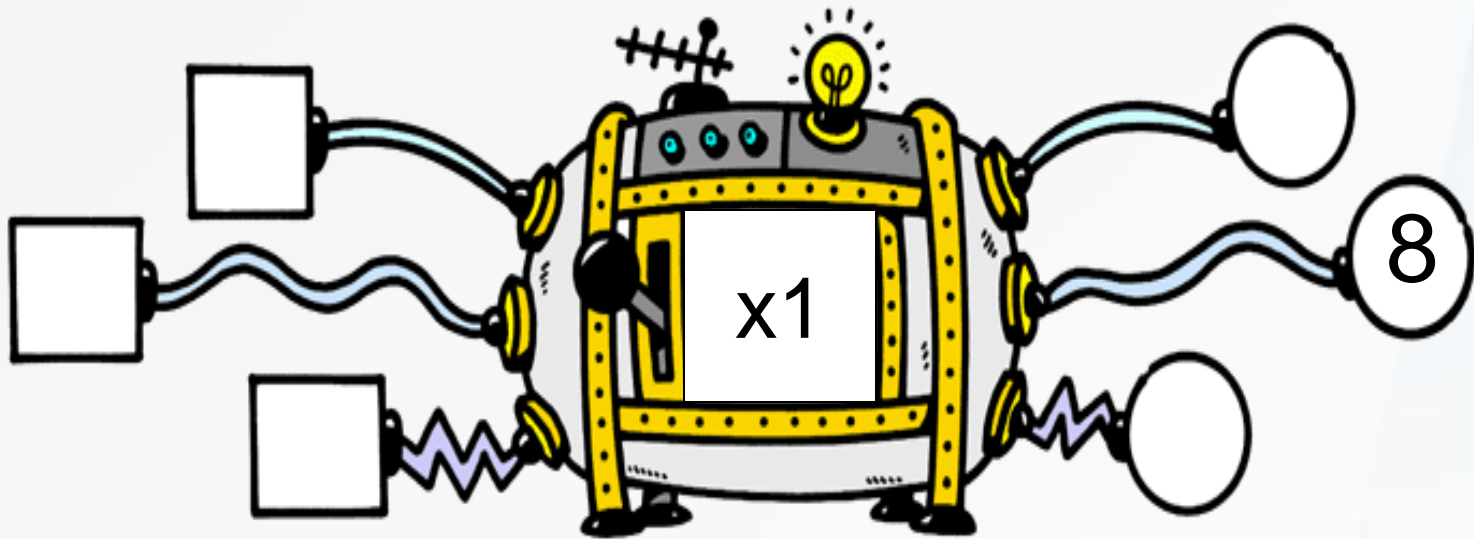
If 5 goes in  
what number will come out?

# Function machine.



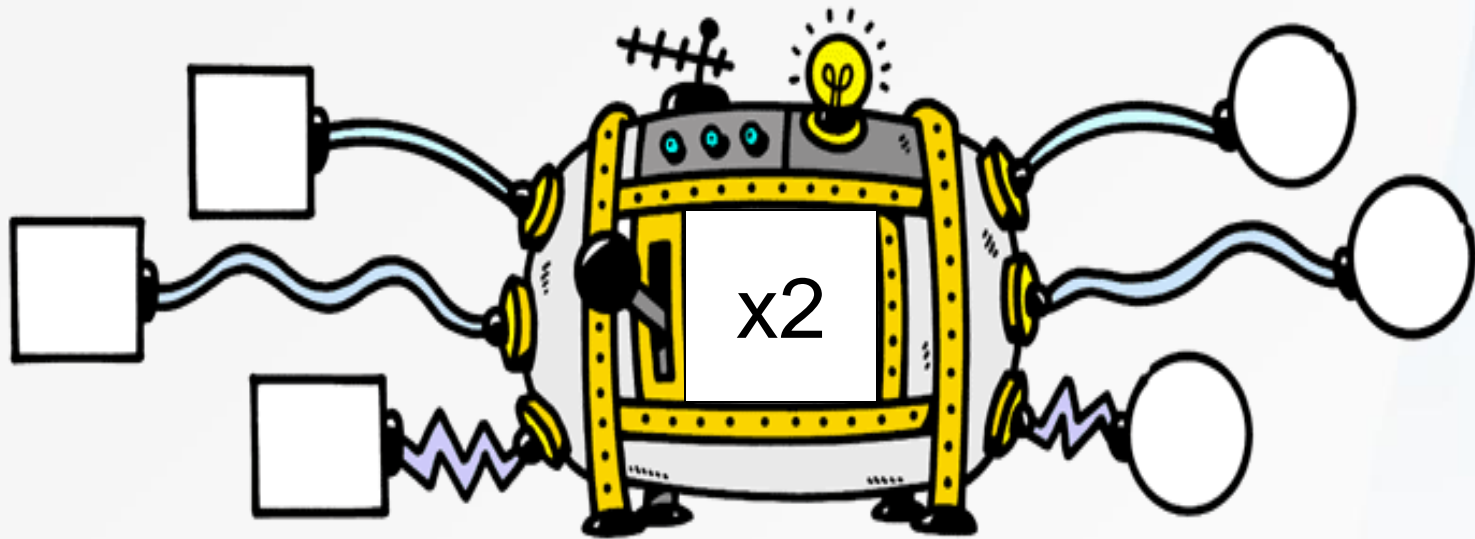
If 10 goes in  
what number will come out?

# Function machine.



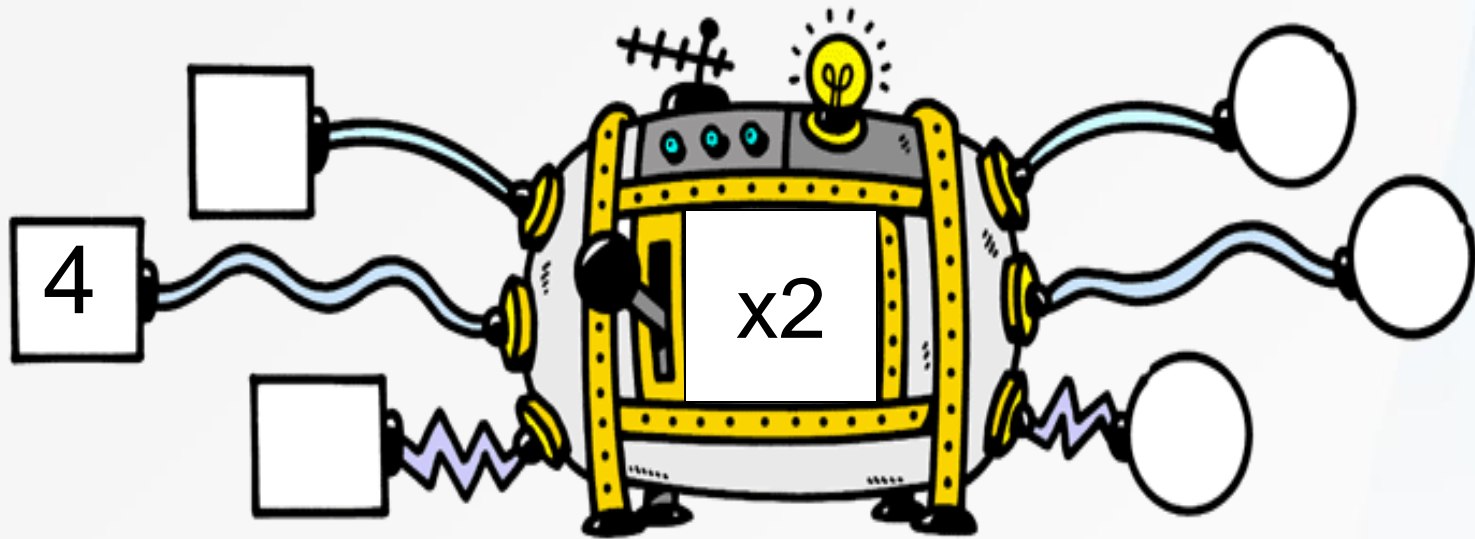
If 8 comes out  
what number went in?

# Function machine.



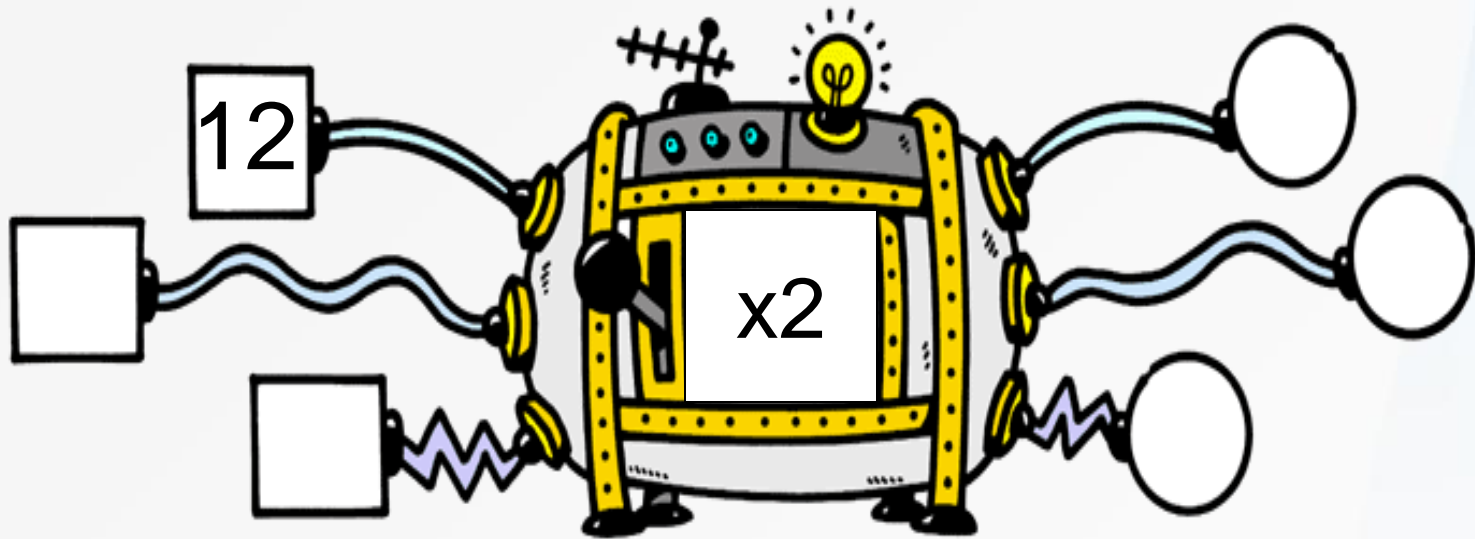
This is a  $x2$  function machine.

# Function machine.



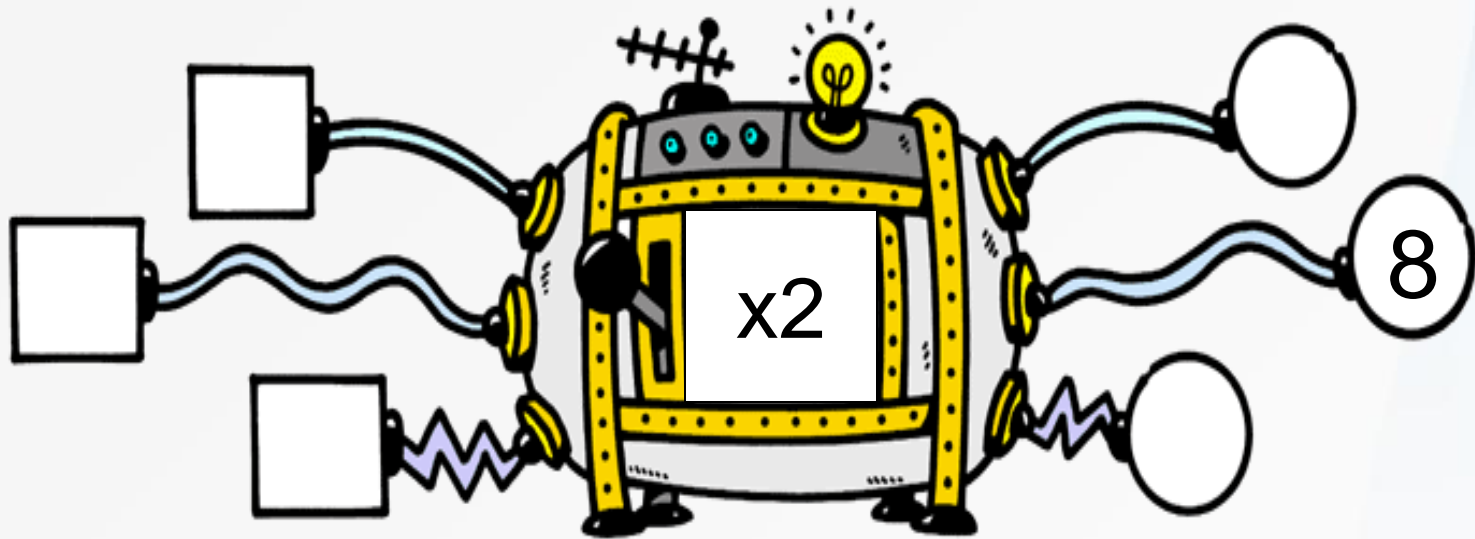
If 4 goes in  
what number will come out?

# Function machine.



If 12 goes in  
what number will come out?

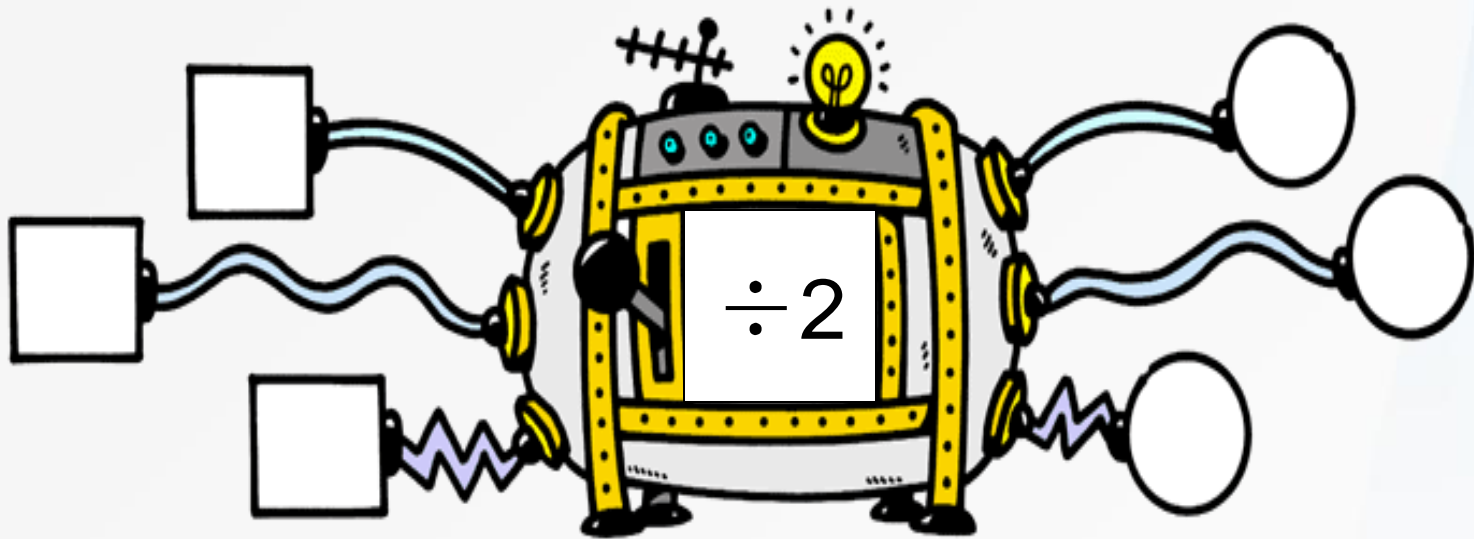
# Function machine.



If 8 comes out  
what number went in?

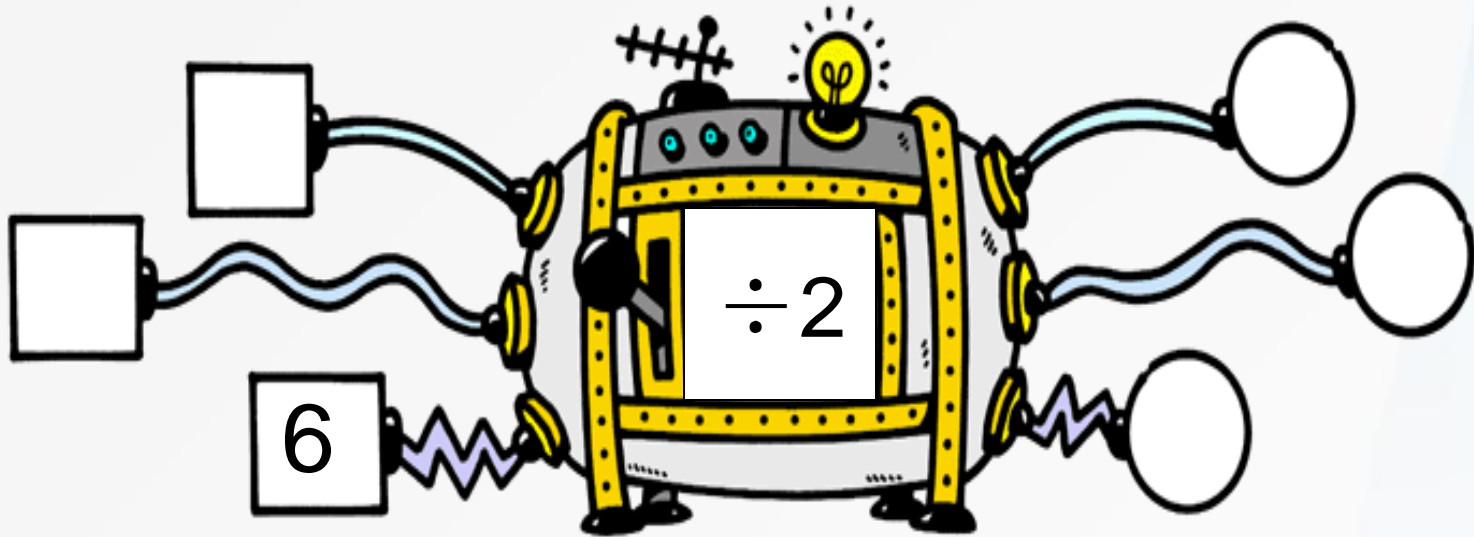


# Function machine.



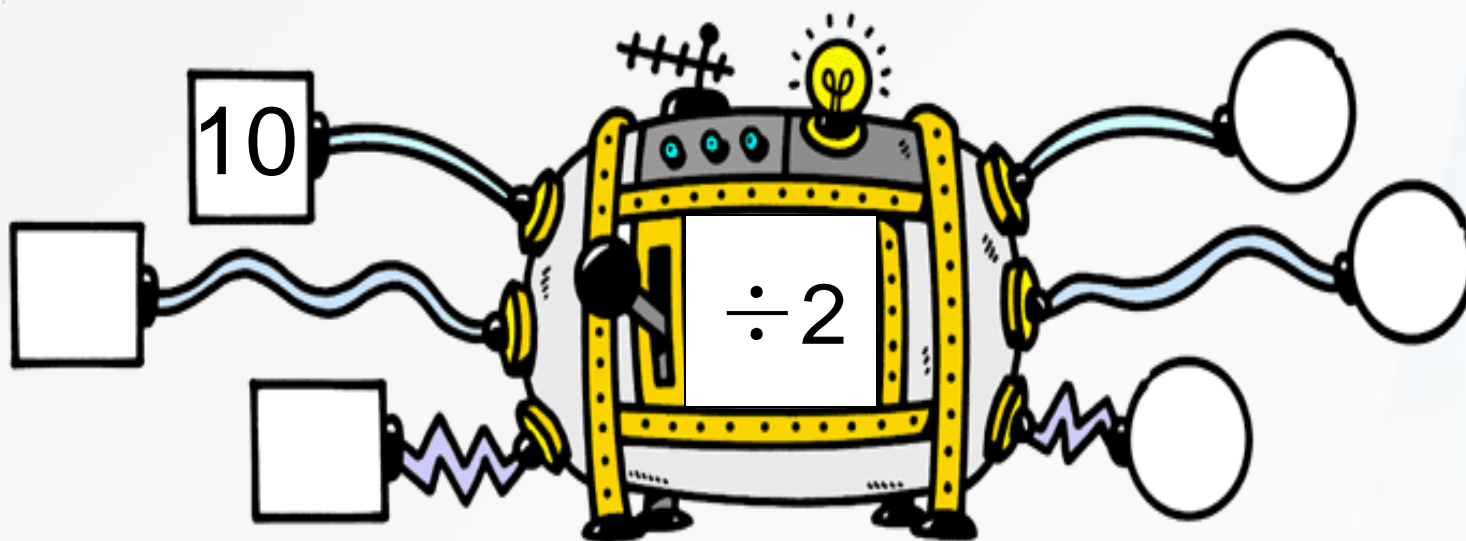
This is a  $\div 2$  function machine.

# Function machine.



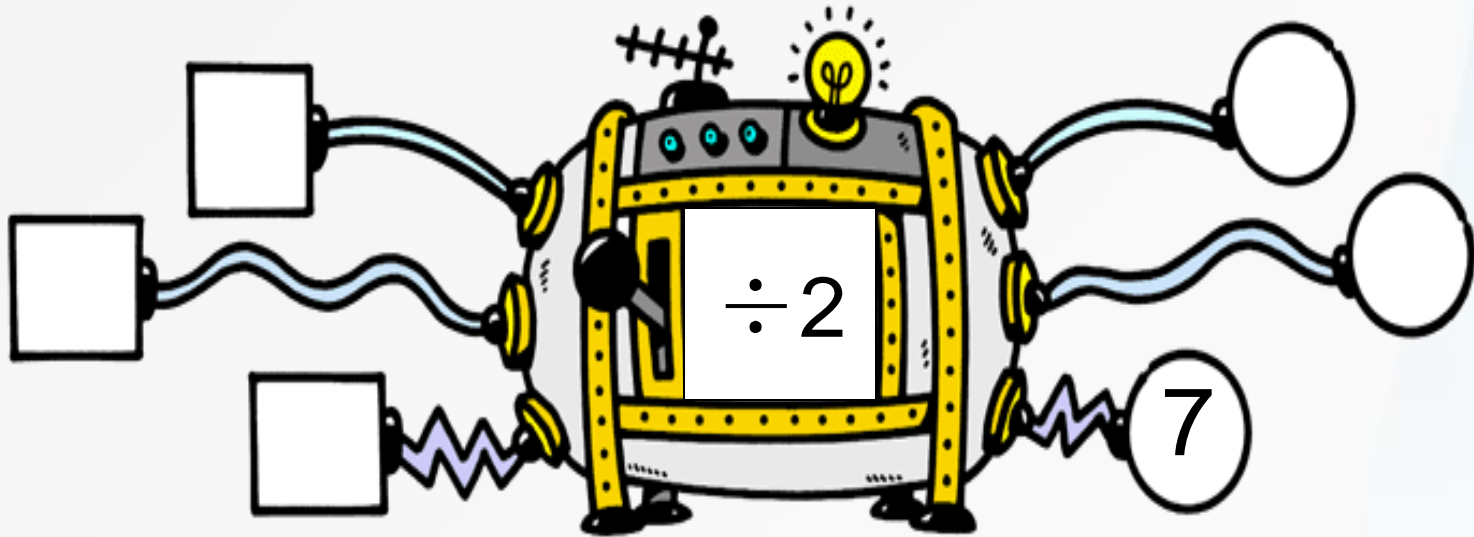
If 6 goes in  
what number will come out?

# Function machine.



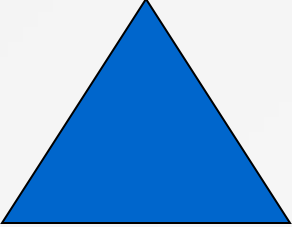
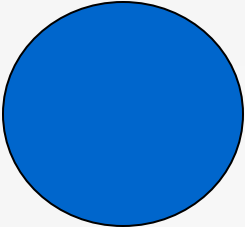
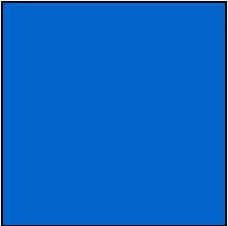
If 10 goes in  
what number will come out?

# Function machine.



If 7 comes out  
what number went in?

# Group Work

	<p>Practise using multiplication and division function machines for two-step functions such as <math>\times 2</math> <math>\times 10</math>.</p>
	<p>Use a cardboard box to make a function machine for <math>\times 1</math> or <math>\times 2</math>. Use different colours of wool for each in/out pair of numbers.</p>
	<p>Practise using multiplication and division function machines for <math>\times 10</math>, <math>\times 3</math> and <math>\div 10</math>.</p>