

Operation Time

You need a calculator

a classmate

Activity One

Put each number through its operations machine.
Write down the numbers that come out.

a. 20, 30, 40

b. 12, 8, 4

c. 14, 12, 6

d. 18, 13, 7

The image shows four whimsical operation machines. Machine a is a grey teapot with a '÷5' symbol on its side and a stack of gold coins on top. Machine b is a yellow cylinder with a '+10' symbol and a red arrow pointing out from the bottom. Machine c is a red cone with a yellow faucet and an 'x2' symbol. Machine d is a blue can with a '-7' symbol and a red arrow pointing out from the bottom.

Activity Two

Simon put numbers through his operations machine.
He drew up a chart to help him keep a record of the numbers that he put into the operations machine and the new numbers that came out the other end of the machine.

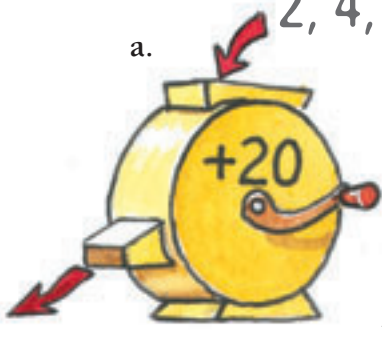
1. Copy Simon's chart into your book and fill in the blanks.

Number in	Number out
1	4
2	5
3	
4	



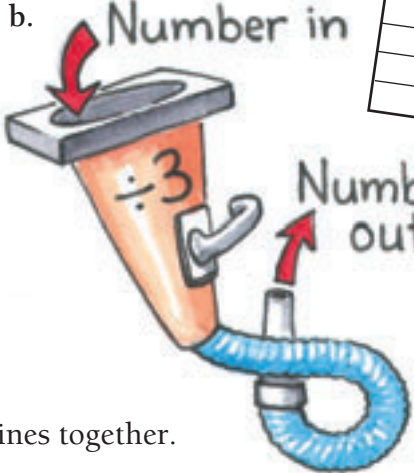
2. Simon has used two different operations machines here. Copy his new charts into your book and fill in the blanks:

a. 2, 4, 5, 6



Number in	Number out
2	22
4	
6	25

b. Number in




Number in	Number out
6	
12	
	5
	8

Activity Three

Simon joined some of the operations machines together.

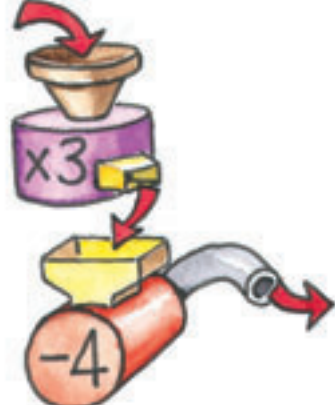
1. Copy Simon's charts into your book and fill in the blanks.
2. Discuss with a classmate the patterns that you can see in these In/Out tables.

a.




Number in	Number out
5	18
6	
7	
8	

b.




Number in	Number out
3	
5	
9	17

c.



Number in	Number out
	14
5	
7	49
12	

d.



Number in	Number out
6	
10	
	11
	14
22	