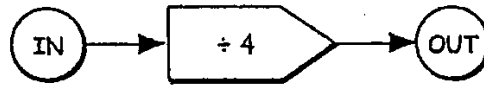




1. Here is a new function machine.



(a) What comes out of this machine when you put in the number :-

- (i) 8 (ii) 20 (iii) 4 (iv) 28 (v) 4.8 ?

(b) What number must have been put in to produce the answer :-

- (i) 10 (ii) 30 (iii) 50 (iv) 1.2 (v) 1000 ?

2. The instructions on how long to cook a roast states :-

“ for each kilogram, cook for 1 hour, then add 1 hour”.

This can be shown in the table :-

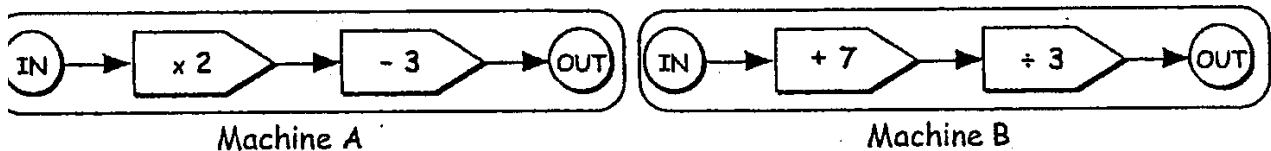
Weight (kg)	1	2	3	4	5	6
Time (hours)	2	3

(a) Copy the table and complete it.

(b) Copy and complete this function machine to show your rule.



3. Shown are two combined function machines.



What numbers come out of the machines when the following are put in :-

- (a) 5 in machine A (b) 2 in machine B (c) 10 in machine A
 (d) 14 in machine B (e) 50 in machine A (f) 29 in machine B ?