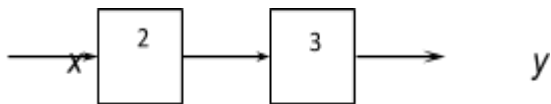
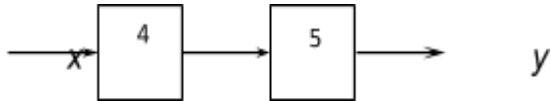




### Algebra Basics

1. Write an expression for each of these statements.
  - a) Six times the number  $a$ .
  - b) Five times the number  $b$  plus 12.
  - c) The sum of four times the number  $c$  and twice the number  $d$ .
  - d) The product of the numbers  $e$ ,  $f$  and  $g$ .
  - e) There are 30 students in each of  $x$  classes. What is the total number of students?
  - f)  $h$  sweets at 35p each and  $j$  biscuits at 15p each.

2.

a) Use the function machine to find the value of  $y$  when  $x = 4$ .b) Use the function machine to find the value of  $y$  when  $x = -3$ .

2. Simplify

i.  $x + 3x + 5 + x$

ii.  $7w + 6 - 2w + 2$

iii.  $7ab + 2b + 4a + 2ab$

3. Simplify

a)  $a^2 + a^3 + 2a^2$

b)  $a^2 + a^3 + 2a^2$

I can do questions .....confidently.

I need to work on question.....