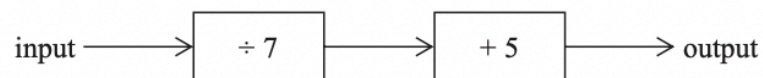


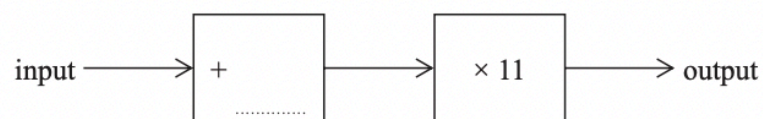
Q1 June 2022

12 Here is a number machine.

(a) Work out the output when the input is 28

(1)

Here is a different number machine.
The number machine is not complete.



When the input is 8, the output is 154

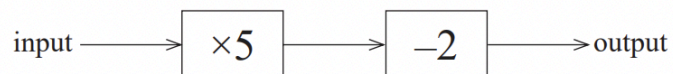
(b) Complete the number machine.

(2)

(Total for Question 12 is 3 marks)

Q2 Nov 2018

10 Here is a number machine.



(a) Work out the **output** when the input is 8

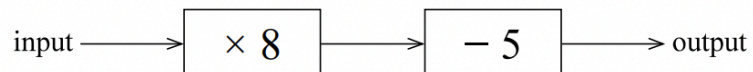
.....
(1)

(b) Work out the **input** when the output is 28

.....
(2)

(Total for Question 10 is 3 marks)

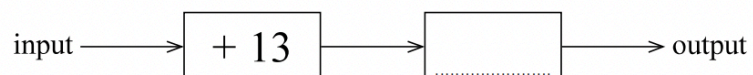
8 Here is a number machine.



(a) Work out the output when the input is 6

.....
(1)

Here is a different number machine.



When the input is 17, the output is 10

(b) Complete the number machine.

(1)

(Total for Question 8 is 2 marks)