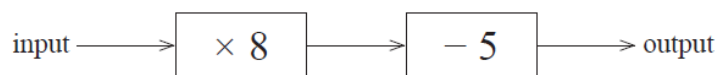


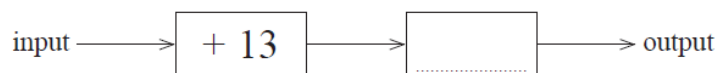
1 Here is a number machine.



(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 1 is 2 marks)

2 The diagram shows a number machine.



(a) Find the output when the input is 7

.....  
(1)

(b) Find the input when the output is 41

.....  
(2)

(Total for Question 2 is 3 marks)