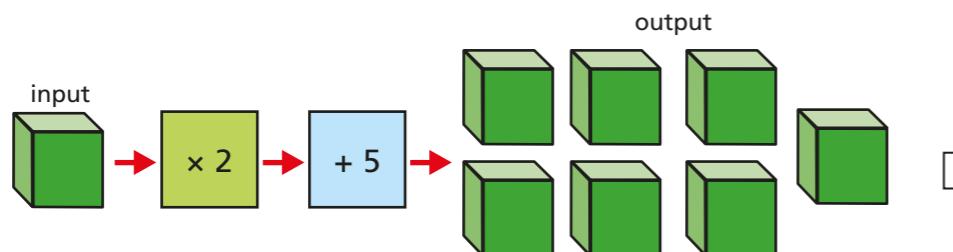
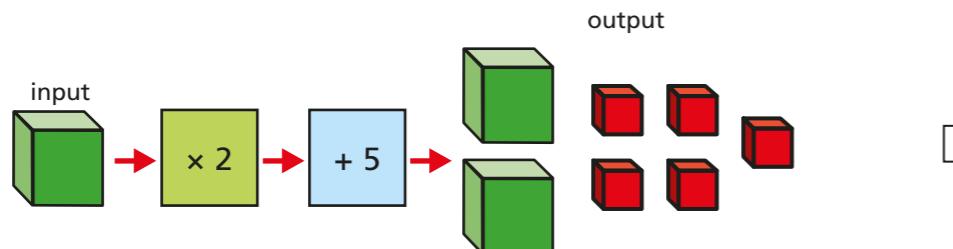


2-step function machines (algebra)

1

- a) Which function machine shows the correct output? Tick your answer.

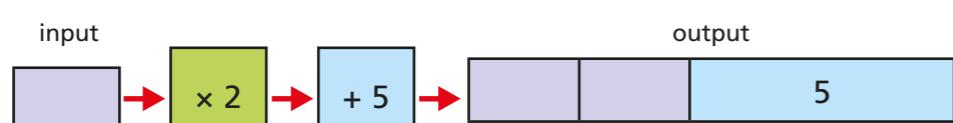
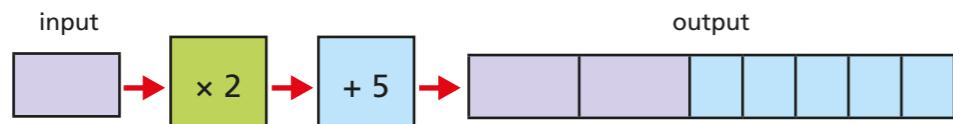


Why is the other function machine incorrect?

Talk about it with a partner.



- b) Explain why both function machines are correct.



c)



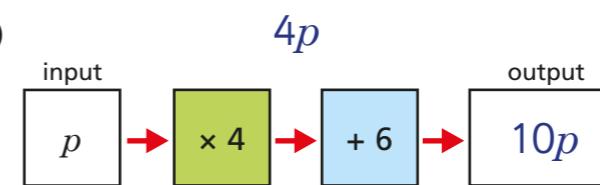
Draw a bar model to represent the function machine.



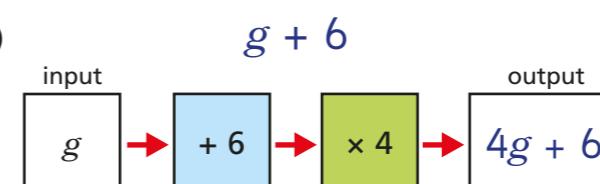
2

- Explain the mistakes that have been made in the function machines.

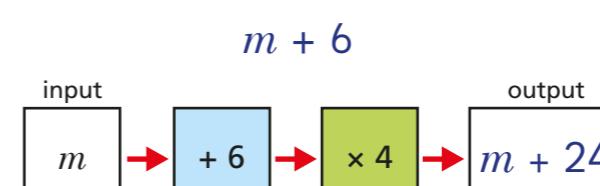
a)



b)



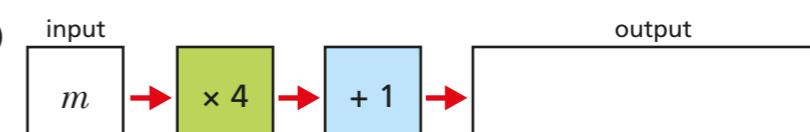
c)



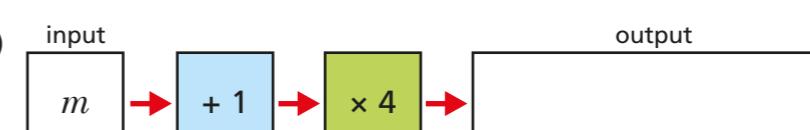
3

- Complete these 2-step function machines.

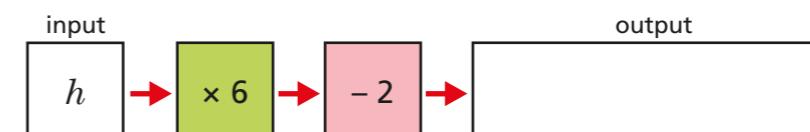
a)



b)

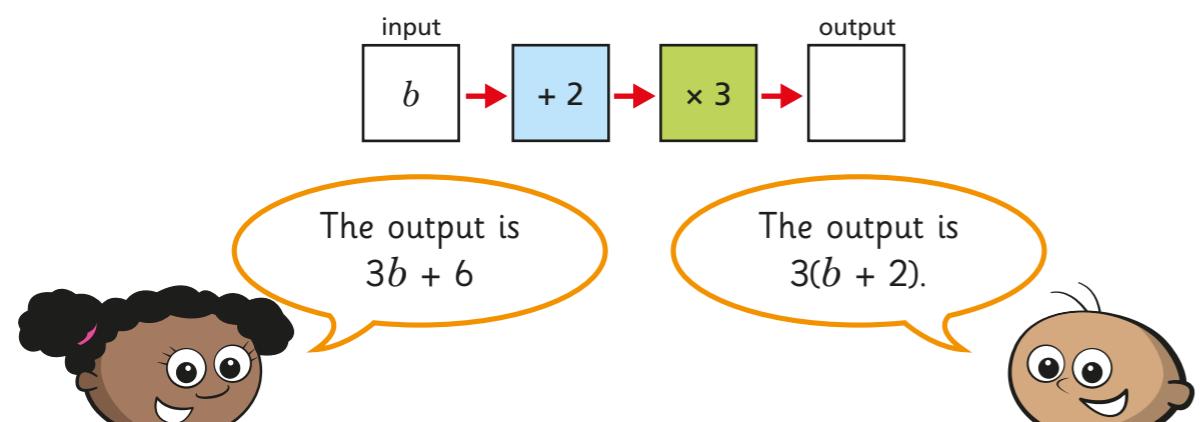


c)



4

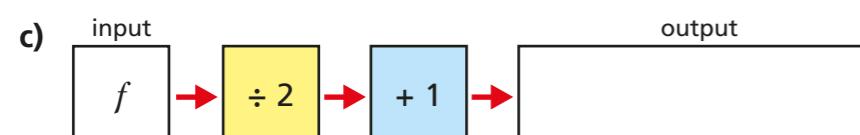
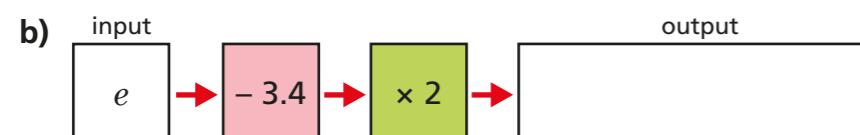
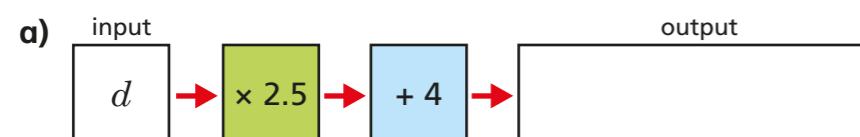
Whitney and Tommy are finding the output for this 2-step function machine.



Show how both of these outputs are correct.

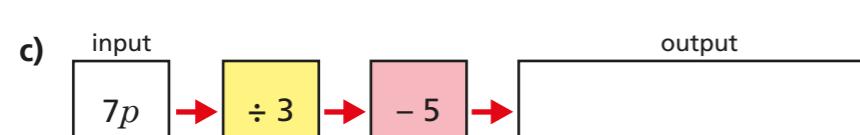
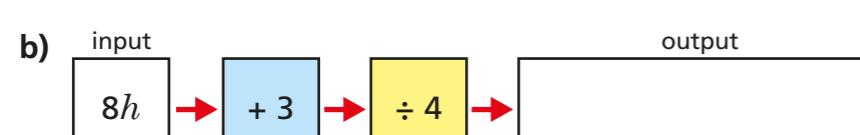
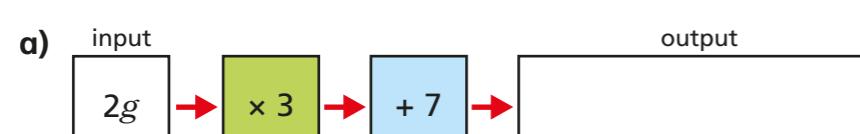
5

Complete these 2-step function machines.



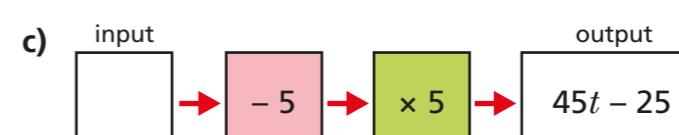
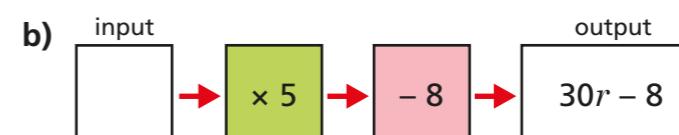
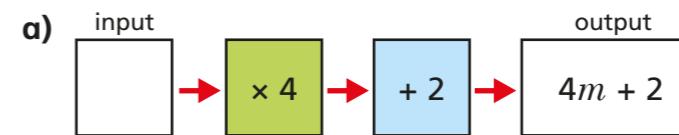
6

Complete these 2-step function machines.



7

Complete these 2-step function machines.



8

a) Here is a 2-step function machine.

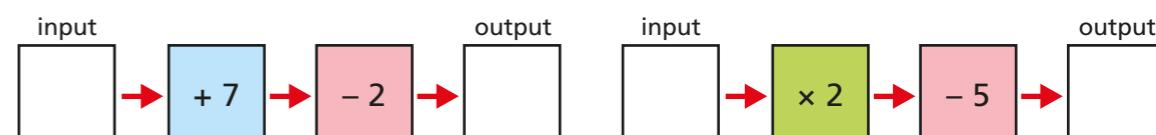


I could write this as a one-step function machine.



Show that Dexter is correct.

b) Which of these can be written as a one-step function machine?
Tick your answer.



c) What other function machines can you write as a single step?
What patterns do you notice?