



**Year 8 HOME LEARNING**

**Week 7**

**Subject: Maths**

**Learning Objective: Inverse Operations and Function Machines**

**Lesson 1:**

**Time to complete: 40-50 minutes**

**Please log on to your [MathsWatch](https://vle.mathswatch.co.uk/vle/browse/699) account and watch the video (<https://vle.mathswatch.co.uk/vle/browse/699> ) and complete the task set on inverse operations and function machines.**

**Your username and password:**

**AJones@glebe (first initial and surname)  
glebe1**

**Lesson 2:**

**Mrs Shaw will be running an online LIVE lesson on:**

**Thursday 25<sup>th</sup> February at 12-12:30am**

**[Click here to log into Teams](#)**

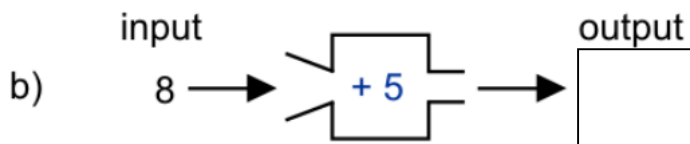
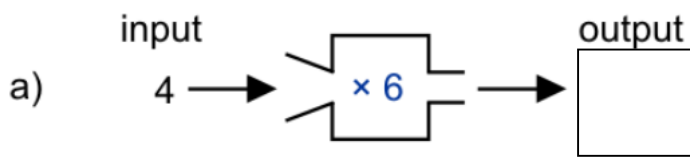
**Time to complete:**

**1 hour - 30 minute live lesson, 30 minute independent activity linked to live lesson.**

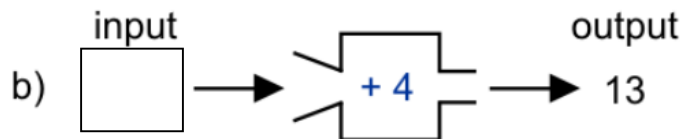
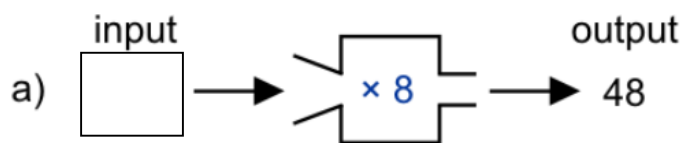
**See next page for independent activity. You can type your answers in the boxes.**

## Independent Activity

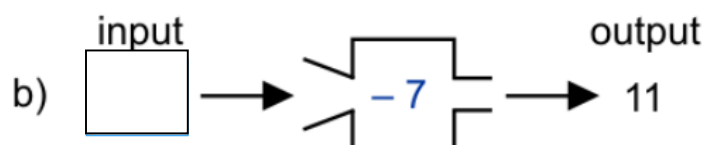
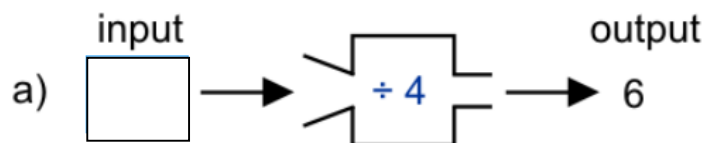
Work out the outputs for the function machines.



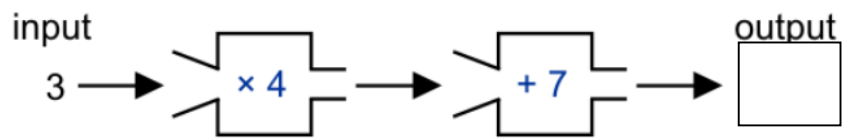
Work out the inputs for the function machines.



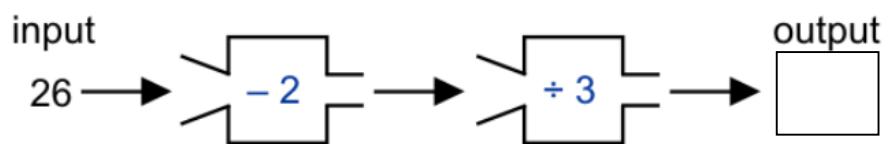
Work out the inputs for the function machines.



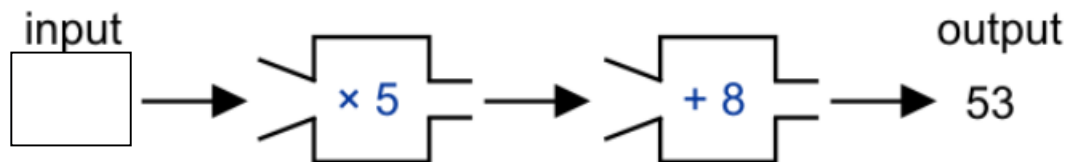
Work out the output for this function machine.



Work out the output for this function machine.



Work out the input for this function machine.



**Notes from the Live lesson:**

**(Please complete these if you missed them during the live lesson.)**

1) Find the **output** for each of these function machines.

a)  $3 \rightarrow \boxed{\times 5} \rightarrow$

b)  $7 \rightarrow \boxed{+ 5} \rightarrow$

c)  $6 \rightarrow \boxed{\times 2} \rightarrow \boxed{- 3}$

d)  $13 \rightarrow \boxed{+ 5} \rightarrow \boxed{\div 3}$

e)  $10 \rightarrow \boxed{\div 2} \rightarrow \boxed{- 7}$

f)  $7 \rightarrow \boxed{- 4} \rightarrow \boxed{\times 2.5}$

2) Find the **input** for each of these function machines.

a)  $\rightarrow \boxed{- 5} \rightarrow 8$

b)  $\rightarrow \boxed{\div 4} \rightarrow 25$

c)  $\rightarrow \boxed{\times 2} \rightarrow \boxed{- 1} \rightarrow 19$

d)  $\rightarrow \boxed{\div 5} \rightarrow \boxed{+ 8} \rightarrow 18$

e)  $\rightarrow \boxed{- 7} \rightarrow \boxed{\div 2} \rightarrow 3.5$

f)  $\rightarrow \boxed{\times 19} \rightarrow \boxed{- 4} \rightarrow -4$