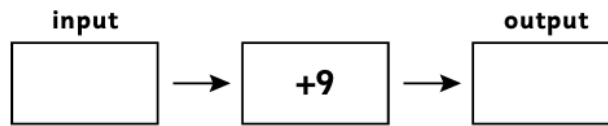


Maths Homework - Algebra
Due Wednesday 2nd July 2025

1) Here is a function machine.





Complete the sentences.










When the input is 6, the output is ____.

The input is ____, the output is 54.

2) Complete the total in each column and row.

 = 8

 = 9

			
			24
			
	22		

3) a and b represent different whole numbers.

$a + b = 6$

Complete the table to show all the possible values of a and b.

a	b

4) Solve the equations.

$a + 6 = 13$

a =

$t - 19 = 21$

t =

$4g = 48$

g =

Maths Homework - Algebra
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7) Use the bar model to solve $4f + 6 = 42$.

42				
f	f	f	f	6

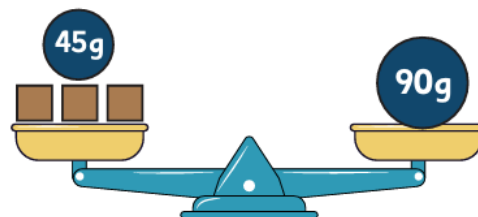
 $f =$

8) Solve $11x - 6 = 104$

A graph on a grid showing a function $f(x) = 2x^2 + 1$. The x-axis ranges from -10 to 10, and the y-axis ranges from 0 to 20. The function is a parabola opening upwards with its vertex at (0, 1). The graph is labeled $f(x) = 2x^2 + 1$.

5) Here is a set of scales.
What is the mass of one cube?

9



6) If $g = 8$, what is the value of $3g + 4$?