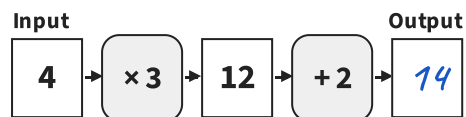


Function Machines

ANSWERS

1

Find the output.

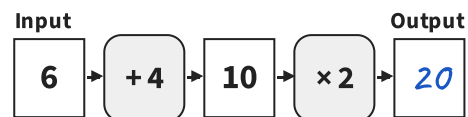


$$4 \times 3 = 12$$

$$12 + 2 = 14$$

2

Find the output.

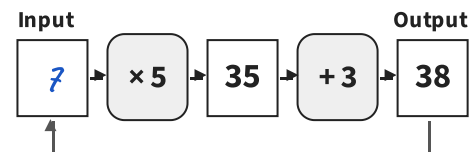


$$6 + 4 = 10$$

$$10 \times 2 = 20$$

3

Find the input.

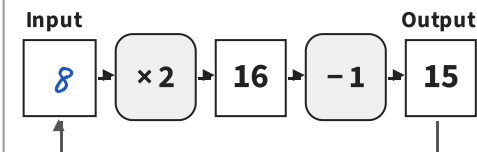


$$38 - 3 = 35$$

$$35 \div 5 = 7$$

4

Find the input.

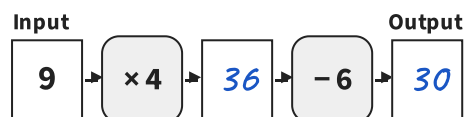


$$15 + 1 = 16$$

$$16 \div 2 = 8$$

5

Find the output.

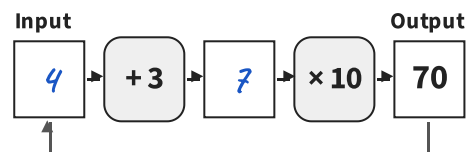


$$9 \times 4 = 36$$

$$36 - 6 = 30$$

6

Find the input.

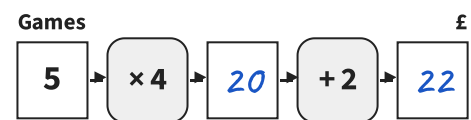


$$70 \div 10 = 7$$

$$7 - 3 = 4$$

7

Bowling costs £4 a game.
Shoes cost £2. Ali plays 5 games.
How much does he pay?

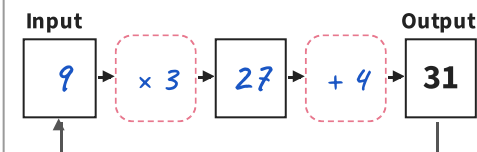


$$5 \times 4 = 20$$

$$20 + 2 = 22$$

8

I think of a number. I multiply it by 3.
Then I add 4. I get 31. Write the steps
in the machine. What is my number?



$$31 - 4 = 27$$

$$27 \div 3 = 9$$

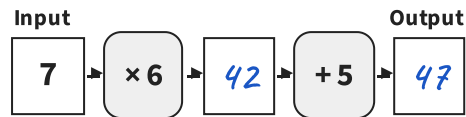
Function Machines *further practice*

ANSWERS

9



Find the output.



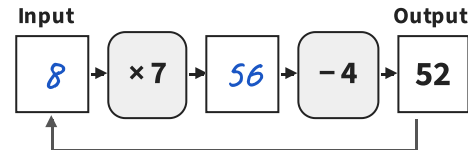
$$7 \times 6 = 42$$

$$42 + 5 = 47$$

10



Find the input.



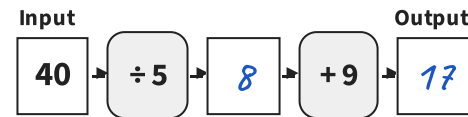
$$52 + 4 = 56$$

$$56 \div 7 = 8$$

11



Find the output.



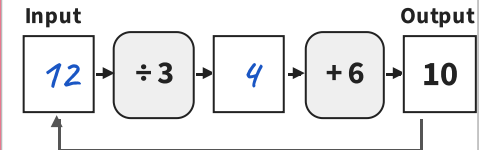
$$40 \div 5 = 8$$

$$8 + 9 = 17$$

12



Find the input.



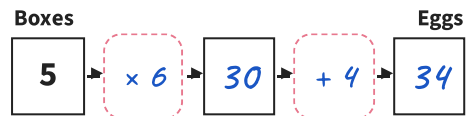
$$10 - 6 = 4$$

$$4 \times 3 = 12$$

13



A box holds 6 eggs. Mia has 5 boxes and 4 more eggs. How many eggs does she have?



$$5 \times 6 = 30$$

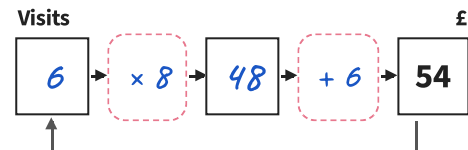
$$30 + 4 = 34$$

Eggs 34

14



A climbing wall costs £8 a visit. Joining costs £6. Zara pays £54 in total. How many visits does she make?



$$54 - 6 = 48$$

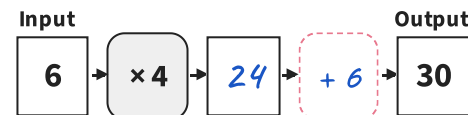
$$48 \div 8 = 6$$

Visits 6

15



Find the missing step.



$$6 \times 4 = 24$$

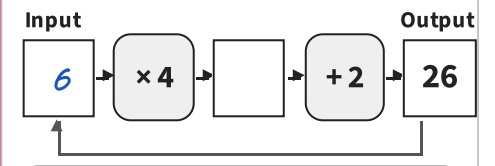
$$24 + 6 = 30$$

Missing step + 6

16



What is Sam's mistake?



Sam writes

$$26 + 2 = 28$$

$$28 \div 4 = 7$$

Sam's mistake is he did + 2

undo + 2 with - 2: $26 - 2 = 24$

The input is 6