

Function Machines

1

Find the output.

Input

4

→

× 3

→

12

→

+ 2

→

Output

4

× 3

=

12

=

2

Find the output.

Input

6

→

+ 4

→

10

→

× 2

→

Output

6

+ 4

=

10

=

3

Find the input.

Input

→

× 5

→

35

→

+ 3

→

38

→

Output

38

− 3

=

35

=

4

Find the input.

Input

→

× 2

→

16

→

− 1

→

15

→

Output

15

+ 1

=

16

=

5

Find the output.

Input

9

→

× 4

→

→

− 6

→

Output

=

=

6

Find the input.

Input

→

+ 3

→

→

× 10

→

70

→

Output

=

=

7

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

Games

5

→

× 4

→

→

+ 2

→

£

=

=

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?

Input

→

→

→

→

31

→

Output

=

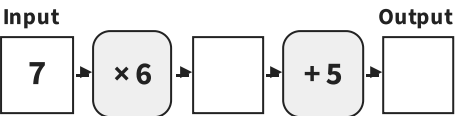
=

Function Machines *further practice*

9



Find the output.



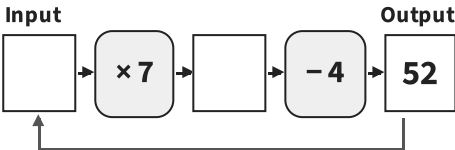
=

=

10



Find the input.



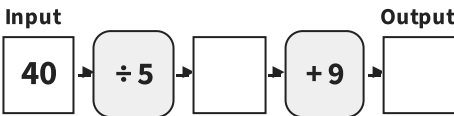
=

=

11



Find the output.



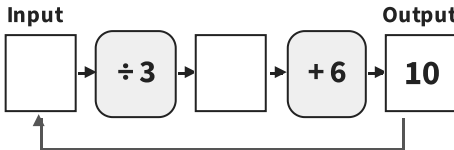
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=

12



Find the input.



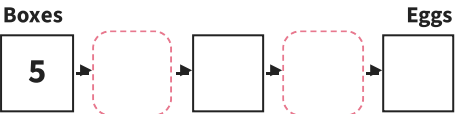
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13



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

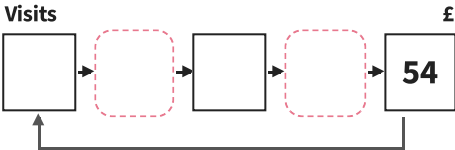


Eggs

14



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

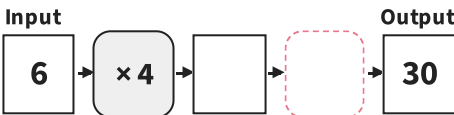


Visits

15



Find the missing step.

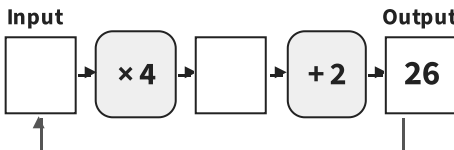


Missing step

16



What is Sam's mistake?



Sam writes

26

$+ 2$

= 28

28

$\div 4$

= 7

Sam's mistake is

The input is