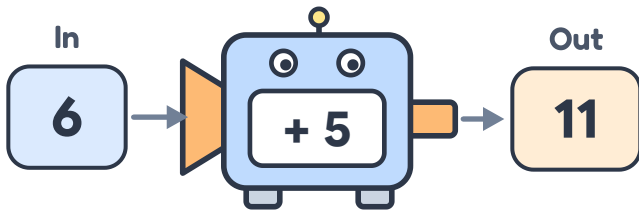


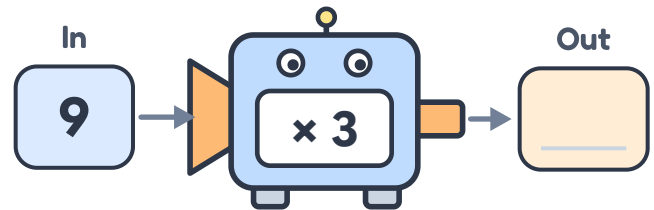
Input and Output Tables

Put the number into the machine. Write what comes out.

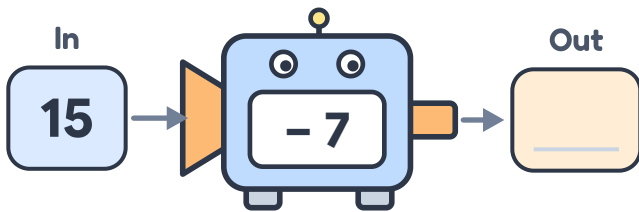
Example



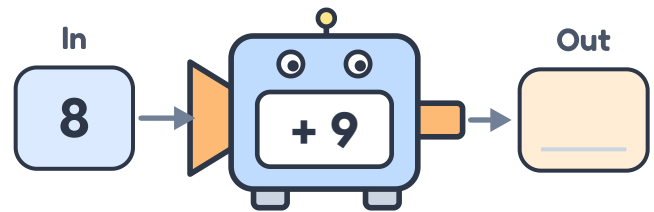
1.



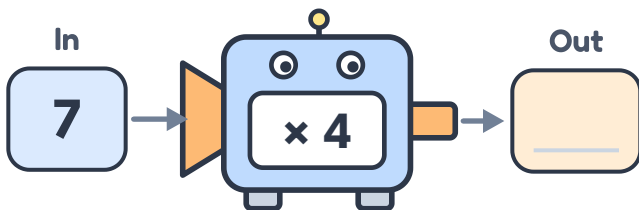
2.



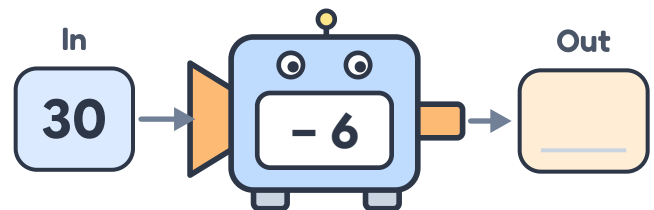
3.



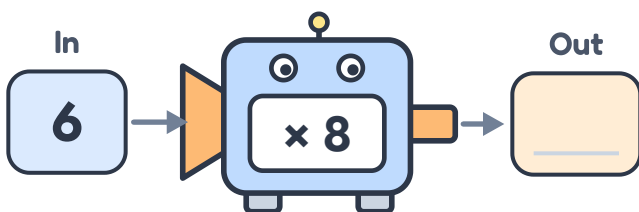
4.



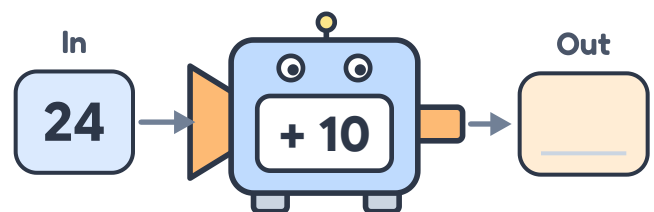
5.



6.



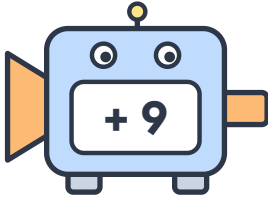
7.



Input and Output Tables

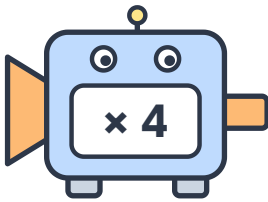
Use the rule on the machine. Fill in each Out.

1.



In	3	6	11	14	20	25
Out	12					

2.



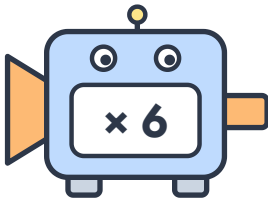
In	2	3	5	6	8	10
Out	8					

3.



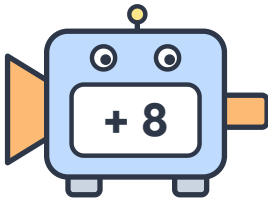
In	9	12	15	20	26	31
Out	2					

4.



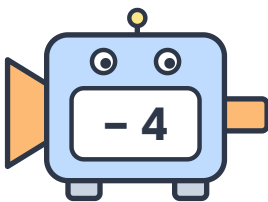
In	1	3	4	7	9	10
Out	6	18				

5.



In	7	12	18	23	34	47
Out						

6.



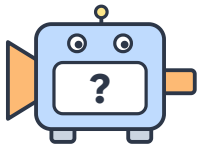
In	10	14	19	23	30	44
Out						

Input and Output Tables

Find the rule that works for every pair. Write it.

Tip: In 2, Out 4 could be $+ 2$ or $\times 2$. Test your rule on every pair.

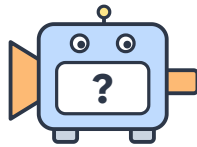
1.



In	Out
3	6
4	8
6	12
7	14
9	18

Rule: _____

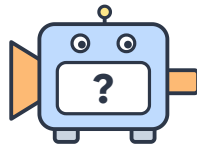
2.



In	Out
3	10
5	12
8	15
10	17
14	21

Rule: _____

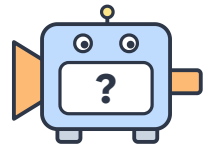
3.



In	Out
9	5
12	8
15	11
20	16
31	27

Rule: _____

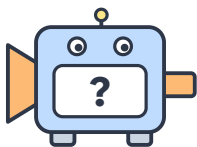
4.



In	Out
3	9
4	12
6	18
8	24
10	30

Rule: _____

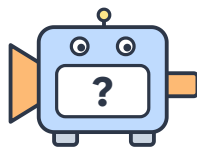
5.



In	Out
10	2
16	8
25	17
33	25
50	42

Rule: _____

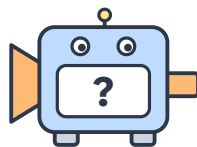
6.



In	Out
5	15
13	23
26	36
34	44
47	57

Rule: _____

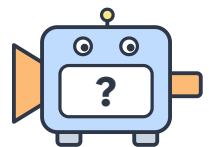
7.



In	Out
2	12
4	24
5	30
7	42
9	54

Rule: _____

8.



In	Out
7	1
11	5
18	12
24	18
40	34

Rule: _____

Input and Output Tables

Find the rule. Then fill in the missing numbers.

1.

In	4	9	12	17		36
Out	10	15		23	31	

Rule: _____

2.

In	8	14	6	20		
Out	4	7		10	6	15

Rule: _____

3.

In	3	6	2	9		10
Out	15	30	10		35	

Rule: _____

4.

In	15	20	12		40	
Out	6	11		22		17

Rule: _____

5.

In	35	15	50		45	
Out	7	3	10	4		6

Rule: _____

6.

In	2	5		8	6	
Out	14	35	21		42	70

Rule: _____

Input and Output Tables

Finish each table. Write the rule. Then fill in the blank.

1. Each tricycle has 3 wheels.

Tricycles	1	2	3	4	5
Wheels	3	6			

Rule: _____

8 tricycles have _____ wheels.

2. Sam is 4 years older than his sister.

Sister	2	3	5	6	8
Sam	6	7			

Rule: _____

Sam is _____ when she is 10.

3. Movie tickets cost \$4 each.

Tickets	1	2	3	5	6
Cost (\$)	4	8			

Rule: _____

9 tickets cost \$ _____.

4. A baker keeps 5 muffins and sells the rest.

Baked	12	15	20	24	30
Sold	7	10			

Rule: _____

She bakes 40 and sells _____.

5. Four friends share cookies equally.

Cookies	8	12	16	20	28
Each gets	2	3			

Rule: _____

Each gets _____ of 36 cookies.

6. A bean plant grows 2 cm every week.

Weeks	1	2	3	4	6
Grown (cm)	2	4			

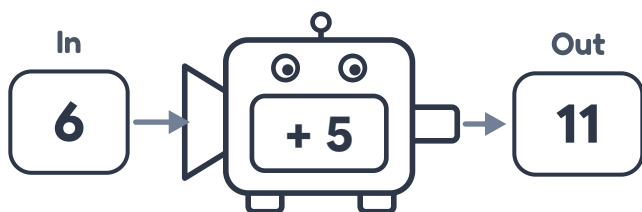
Rule: _____

In 9 weeks, it grows _____ cm.

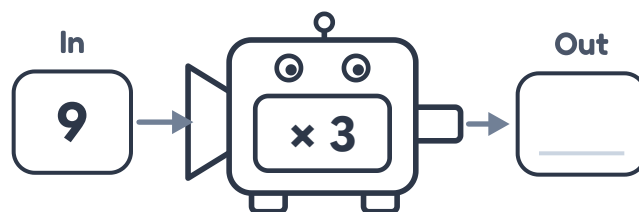
Input and Output Tables

Put the number into the machine. Write what comes out.

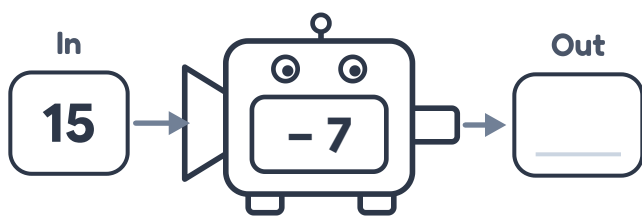
Example



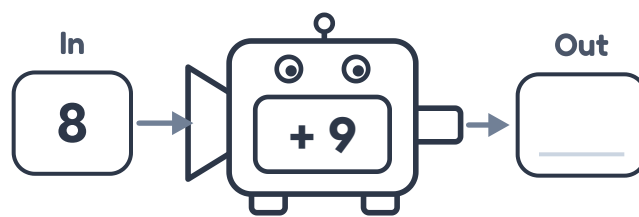
1.



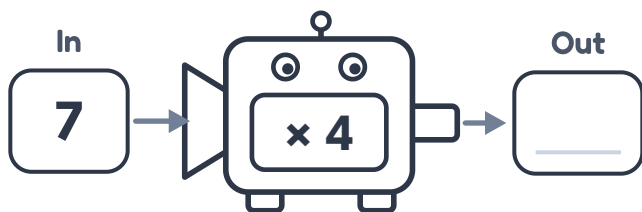
2.



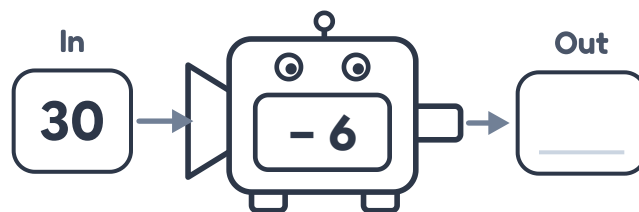
3.



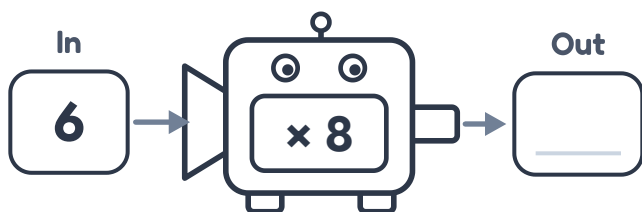
4.



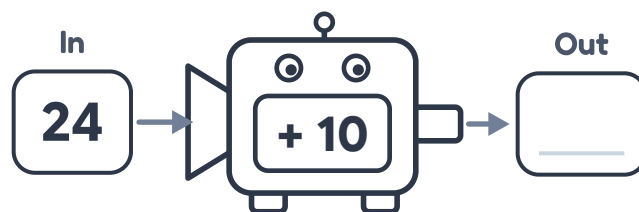
5.



6.



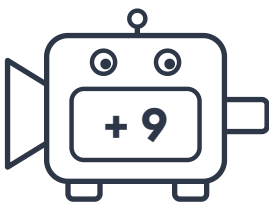
7.



Input and Output Tables

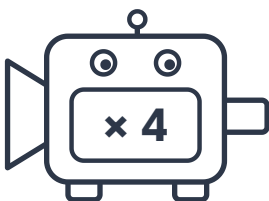
Use the rule on the machine. Fill in each Out.

1.



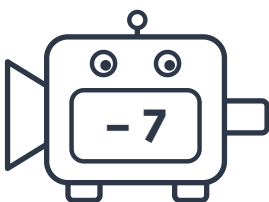
In	3	6	11	14	20	25
Out	12					

2.



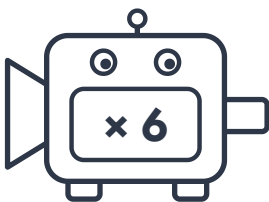
In	2	3	5	6	8	10
Out	8					

3.



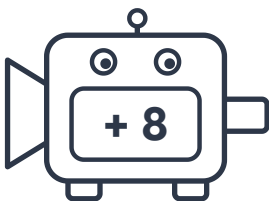
In	9	12	15	20	26	31
Out	2					

4.



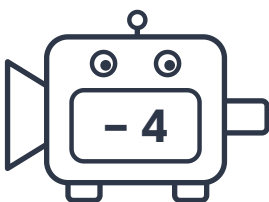
In	1	3	4	7	9	10
Out	6	18				

5.



In	7	12	18	23	34	47
Out						

6.



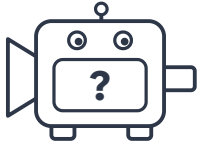
In	10	14	19	23	30	44
Out						

Input and Output Tables

Find the rule that works for every pair. Write it.

Tip: In 2, Out 4 could be $+ 2$ or $\times 2$. Test your rule on every pair.

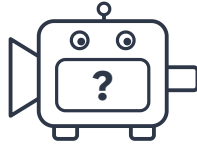
1.



In	Out
3	6
4	8
6	12
7	14
9	18

Rule: _____

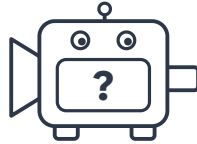
2.



In	Out
3	10
5	12
8	15
10	17
14	21

Rule: _____

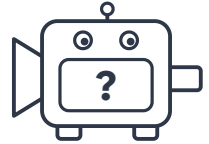
3.



In	Out
9	5
12	8
15	11
20	16
31	27

Rule: _____

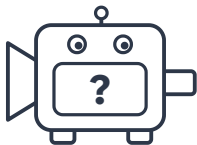
4.



In	Out
3	9
4	12
6	18
8	24
10	30

Rule: _____

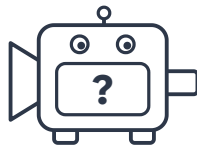
5.



In	Out
10	2
16	8
25	17
33	25
50	42

Rule: _____

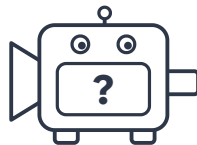
6.



In	Out
5	15
13	23
26	36
34	44
47	57

Rule: _____

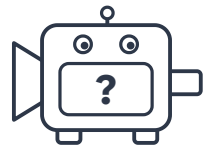
7.



In	Out
2	12
4	24
5	30
7	42
9	54

Rule: _____

8.



In	Out
7	1
11	5
18	12
24	18
40	34

Rule: _____

Input and Output Tables

Find the rule. Then fill in the missing numbers.

1.

In	4	9	12	17		36
Out	10	15		23	31	

Rule: _____

2.

In	8	14	6	20		
Out	4	7		10	6	15

Rule: _____

3.

In	3	6	2	9		10
Out	15	30	10		35	

Rule: _____

4.

In	15	20	12		40	
Out	6	11		22		17

Rule: _____

5.

In	35	15	50		45	
Out	7	3	10	4		6

Rule: _____

6.

In	2	5		8	6	
Out	14	35	21		42	70

Rule: _____

Input and Output Tables

Finish each table. Write the rule. Then fill in the blank.

1. Each tricycle has 3 wheels.

Tricycles	1	2	3	4	5
Wheels	3	6			

Rule: _____

8 tricycles have _____ wheels.

2. Sam is 4 years older than his sister.

Sister	2	3	5	6	8
Sam	6	7			

Rule: _____

Sam is _____ when she is 10.

3. Movie tickets cost \$4 each.

Tickets	1	2	3	5	6
Cost (\$)	4	8			

Rule: _____

9 tickets cost \$ _____.

4. A baker keeps 5 muffins and sells the rest.

Baked	12	15	20	24	30
Sold	7	10			

Rule: _____

She bakes 40 and sells _____.

5. Four friends share cookies equally.

Cookies	8	12	16	20	28
Each gets	2	3			

Rule: _____

Each gets _____ of 36 cookies.

6. A bean plant grows 2 cm every week.

Weeks	1	2	3	4	6
Grown (cm)	2	4			

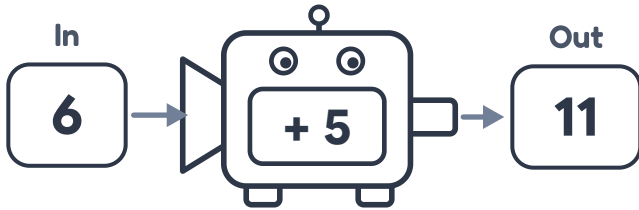
Rule: _____

In 9 weeks, it grows _____ cm.

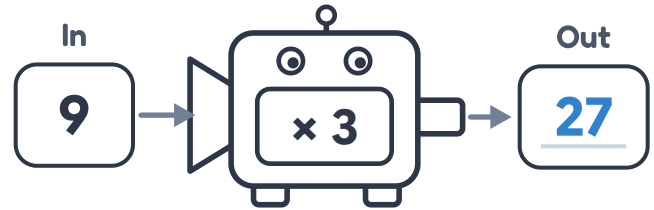
Input and Output Tables

Put the number into the machine. Write what comes out.

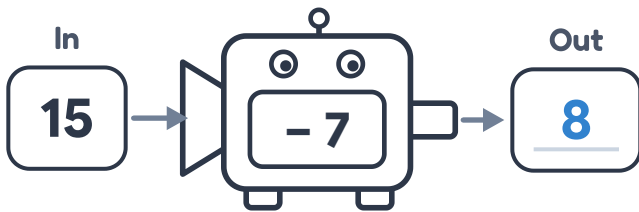
Example



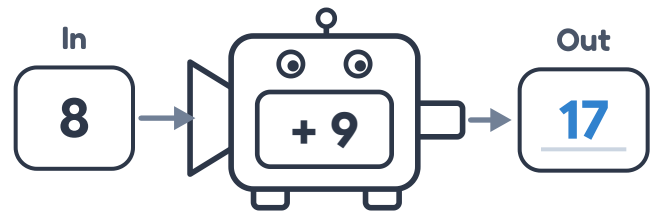
1.



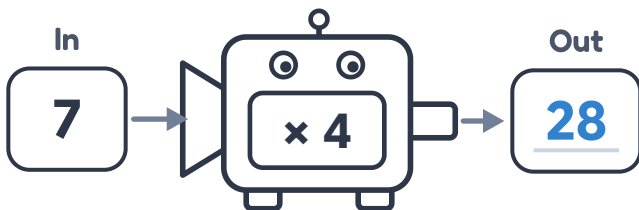
2.



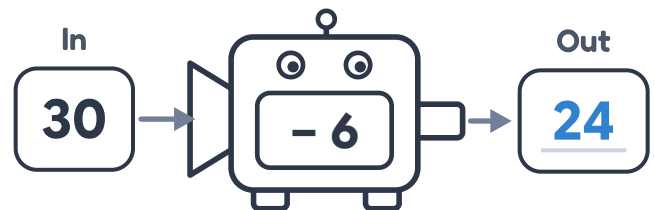
3.



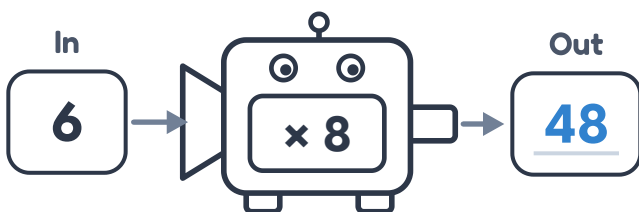
4.



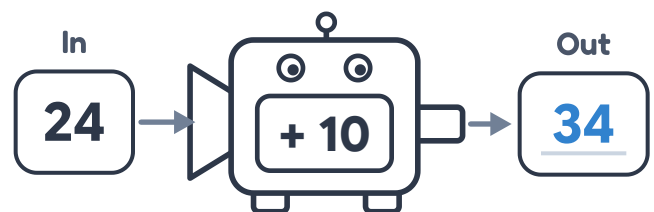
5.



6.



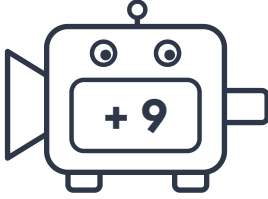
7.



Input and Output Tables

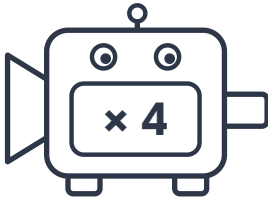
Use the rule on the machine. Fill in each Out.

1.



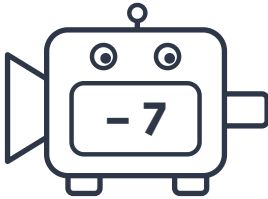
In	3	6	11	14	20	25
Out	12	15	20	23	29	34

2.



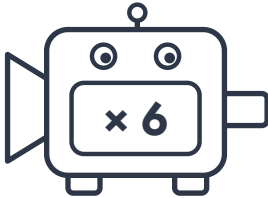
In	2	3	5	6	8	10
Out	8	12	20	24	32	40

3.



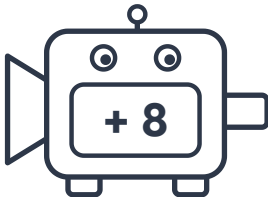
In	9	12	15	20	26	31
Out	2	5	8	13	19	24

4.



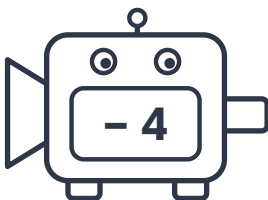
In	1	3	4	7	9	10
Out	6	18	24	42	54	60

5.



In	7	12	18	23	34	47
Out	15	20	26	31	42	55

6.



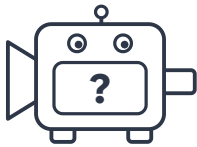
In	10	14	19	23	30	44
Out	6	10	15	19	26	40

Input and Output Tables

Find the rule that works for every pair. Write it.

Tip: In 2, Out 4 could be $+ 2$ or $\times 2$. Test your rule on every pair.

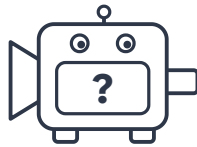
1.



In	Out
3	6
4	8
6	12
7	14
9	18

Rule: $\times 2$

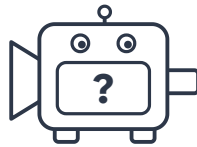
2.



In	Out
3	10
5	12
8	15
10	17
14	21

Rule: $+ 7$

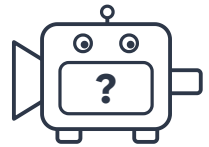
3.



In	Out
9	5
12	8
15	11
20	16
31	27

Rule: $- 4$

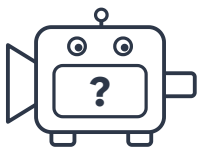
4.



In	Out
3	9
4	12
6	18
8	24
10	30

Rule: $\times 3$

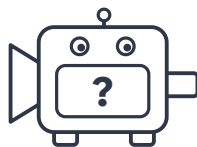
5.



In	Out
10	2
16	8
25	17
33	25
50	42

Rule: $- 8$

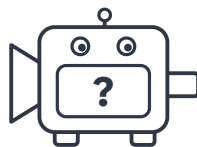
6.



In	Out
5	15
13	23
26	36
34	44
47	57

Rule: $+ 10$

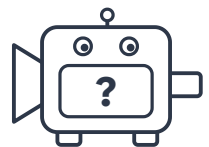
7.



In	Out
2	12
4	24
5	30
7	42
9	54

Rule: $\times 6$

8.



In	Out
7	1
11	5
18	12
24	18
40	34

Rule: $- 6$

Input and Output Tables

Find the rule. Then fill in the missing numbers.

1.

In	4	9	12	17	25	36
Out	10	15	18	23	31	42

Rule: + 6

2.

In	8	14	6	20	12	30
Out	4	7	3	10	6	15

Rule: ÷ 2

3.

In	3	6	2	9	7	10
Out	15	30	10	45	35	50

Rule: × 5

4.

In	15	20	12	31	40	26
Out	6	11	3	22	31	17

Rule: - 9

5.

In	35	15	50	20	45	30
Out	7	3	10	4	9	6

Rule: ÷ 5

6.

In	2	5	3	8	6	10
Out	14	35	21	56	42	70

Rule: × 7

Input and Output Tables

Finish each table. Write the rule. Then fill in the blank.

1. Each tricycle has 3 wheels.

Tricycles	1	2	3	4	5
Wheels	3	6	9	12	15

Rule: $\times 3$

8 tricycles have 24 wheels.

2. Sam is 4 years older than his sister.

Sister	2	3	5	6	8
Sam	6	7	9	10	12

Rule: $+ 4$

Sam is 14 when she is 10.

3. Movie tickets cost \$4 each.

Tickets	1	2	3	5	6
Cost (\$)	4	8	12	20	24

Rule: $\times 4$

9 tickets cost \$ 36 .

4. A baker keeps 5 muffins and sells the rest.

Baked	12	15	20	24	30
Sold	7	10	15	19	25

Rule: $- 5$

She bakes 40 and sells 35 .

5. Four friends share cookies equally.

Cookies	8	12	16	20	28
Each gets	2	3	4	5	7

Rule: $\div 4$

Each gets 9 of 36 cookies.

6. A bean plant grows 2 cm every week.

Weeks	1	2	3	4	6
Grown (cm)	2	4	6	8	12

Rule: $\times 2$

In 9 weeks, it grows 18 cm.