

1.6 Input/output Tables

Sept. 28/17

ex(1): Complete the table.

() ÷ x + -
BE DMAS
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Input n	Output 12-2n
0	12
1	10
2	8
3	6
4	4

$12 - 2(0) = 12 - 0 = 12$
 $12 - 2(1) = 12 - 2 = 10$
 $12 - 2(2) = 12 - 4 = 8$
 $12 - 2(3) = 12 - 6 = 6$
 $12 - 2(4) = 12 - 8 = 4$

Input n	Output $\frac{n}{3}$
0	$\frac{0}{3} = 0$
3	$\frac{3}{3} = 1$
6	$\frac{6}{3} = 2$
9	$\frac{9}{3} = 3$
12	$\frac{12}{3} = 4$

ex(2): Write the relation (expression).

a)

Input n	Output
1	6
2	10
3	14
4	18

$4n + 2$
 Numerical Coefficient

b)

Input n	Output
1	5
2	10
3	15
4	20

$5n$ n.c.

c)

Input n	Output
1	7
2	15
3	23
4	31

$8n - 1$ n.c.