

Represent relationships using tables

1

What is the missing value in the table?

Rule: multiply by 5

Input	Output
1	5
2	10
3	15
6	?
7	35

A 30

B 54

C 2

D 60

2

What is the missing value in the table?

Rule: divide by 6

Input	Output
6	1
18	3
30	?
42	7
54	9

A 330

B 240

C 5

D 150

3

What rule turns each input into its output?

Input	Output
2	11
4	?
5	14
11	20
13	22

A add 9

B add 3

C subtract 3

D subtract 12

4

What rule turns each input into its output?

Input	Output
2	4
3	6
5	10
8	16
9	18

A multiply by 4

B multiply by 2

C divide by 12

D multiply by 5

5

What is the missing value in the table?

Input	Output
4	13
5	14
8	17
12	?
13	22

A 20

B 21

C 10

D 1

6

What is the missing value in the table?

Input	Output
9	1
13	5
14	6
16	?
18	10

A 12

B 7

C 18

D 8

7

What is the missing value in the table?

Rule: multiply by 3 then subtract 1

Input	Output
1	2
2	5
5	?
6	17
8	23

A 15

B 9

C 14

D 31

8

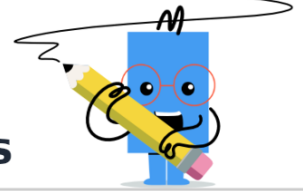
What line equation would create this set of X, Y values?

X	Y
0	0
1	0.5
2	1
3	1.5
4	2

A $y = -2x$

B $y = \frac{2}{2}x$

C $y = \frac{1}{2}x$



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$m = -4$

A	X	Y
	0	4
	1	0
	2	-4
	3	-8
	4	-12

B	X	Y
	0	4
	1	3.75
	2	3.5
	3	3.25
	4	3

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What equation would create this chart of X, Y values?

X	Y
0	2
1	3
2	4
3	5
4	6

A $y = -1x + 2$

B $y = 1x + 2$

C $y = \frac{1}{2}x + 2$

11

What rule turns each input into its output?

Input	Output
2	5
3	?
5	14
7	20
8	23

A multiply by 3
then subtract 1

B multiply by 2
then add 10

C multiply by 6
then subtract 4

D multiply by
4 then add 1

12

What slope would this line of X, Y values have?

X	Y
0	3
1	6
2	9
3	12
4	15

A $m = 0.33$

B $m = -3$

C $m = 3$

D $m = 1.5$