

Grade 8 Linear Functions Worksheet

Table 1

Given the rule: $y = -1x - 8$, complete the table by calculating the output (y).

Input (x)	Output (y)
8	
12	
15	
17	
19	

Table 2

Given the rule: $y = 3x - 7$, complete the table by calculating the output (y).

Input (x)	Output (y)
7	
8	
14	
15	
20	

Table 3

Given the rule: $y = -2x - 4$, complete the table by calculating the output (y).

Input (x)	Output (y)
9	
12	
14	
16	
20	

Table 4

Given the rule: $y = x - 8$, complete the table by calculating the output (y).

Input (x)	Output (y)
7	

Grade 8 Linear Functions Worksheet

8	
9	
16	
17	

Table 5

Given the rule: $y = 2x + 3$, complete the table by calculating the output (y).

Input (x)	Output (y)
6	
9	
10	
15	
16	

Table 6

Given the rule: $y = -4x + 6$, complete the table by calculating the output (y).

Input (x)	Output (y)
5	
9	
10	
11	
12	

Table 7

Given the rule: $y = 3x + 8$, complete the table by calculating the output (y).

Input (x)	Output (y)
5	
7	
8	
9	
20	

Grade 8 Linear Functions Worksheet

Table 8

Given the rule: $y = 5x + 10$, complete the table by calculating the output (y).

Input (x)	Output (y)
4	
7	
9	
16	
20	

Grade 8 Linear Functions Worksheet

Answer Key

Table 1

Rule: $y = -1x - 8$

Input (x)	Output (y)
8	-16
12	-20
15	-23
17	-25
19	-27

Table 2

Rule: $y = 3x - 7$

Input (x)	Output (y)
7	14
8	17
14	35
15	38
20	53

Table 3

Rule: $y = -2x - 4$

Input (x)	Output (y)
9	-22
12	-28
14	-32
16	-36
20	-44

Table 4

Rule: $y = x - 8$

Input (x)	Output (y)
7	-1

Grade 8 Linear Functions Worksheet

8	0
9	1
16	8
17	9

Table 5

Rule: $y = 2x + 3$

Input (x)	Output (y)
6	15
9	21
10	23
15	33
16	35

Table 6

Rule: $y = -4x + 6$

Input (x)	Output (y)
5	-14
9	-30
10	-34
11	-38
12	-42

Table 7

Rule: $y = 3x + 8$

Input (x)	Output (y)
5	23
7	29
8	32
9	35
20	68

Table 8

Grade 8 Linear Functions Worksheet

Rule: $y = 5x + 10$

Input (x)	Output (y)
4	30
7	45
9	55
16	90
20	110