

6th Grade
April 12, 2021

Today we will:

- Getting new table of contents for Unit 8
- Take notes in class on function tables
- Begin HW


HOMEWORK:

Homework Practice WS

No ALEKS assignment due tonight



Vocab word	Definition
relation	a set of ordered pairs
function	a relation that assigns exactly one output value (y) to one input value (x)
independent variable	the input (x) value
dependent variable	the output (y) value


 Name _____
 Unit _____ Lesson _____ Due Date _____

function tables

1. The output is 7 more than the input. Complete a function table for this relation.

1 The function rule is $x + 7$.

2

input x	Rule: $x + 7$	output y
17	$17 + 7$	24
4	$4 + 7$	11
5	$5 + 7$	12

2. The output is 5 times the input. Complete a function table for this relation.

1 The function rule is $5x$.

2

input x	Rule: $5x$	output y
11	$5 \cdot 11$	55
20	$5 \cdot 20$	100
7	$5 \cdot 7$	35

3. Find the input for the function table.

Input (x)	3x	Output
2	3·2	6
5	3·5	15
7	3·7	21

- 1 Work backwards:
Do mentally or $\div 3$
to undo the $\times 3$.
- 2 The input (x) values
are 2, 5, and 7.

Create a table to represent the following situation:

Gina is 5 years older than Sam. Gina's age, in years, is $x + 5$, where x is Sam's age, in years.

x Sam's age	Rule $x + 5$	y Gina's age
6	$6 + 5$	11
10	$10 + 5$	15
12	$12 + 5$	17



Lesson 1 Homework Practice

Function Tables

Complete each function table.

1.

Input (x)	$x + 6$	Output (y)
0		
3		
7		

2.

Input (x)	$x - 1$	Output (y)
1		
4		
8		

3.

Input (x)	$3x + 2$	Output (y)
0		
2		
4		

4.

Input (x)	$x \div 2$	Output (y)
4		
8		
10		

Find the input for each function table.

5.

Input (x)	$x \div 4$	Output (y)
		1
		2
		4

6.

Input (x)	$x \div 2$	Output (y)
		1
		3
		5

7.

Input (x)	$x - 3$	Output (y)
		0
		2
		3
		5
		8

8.

Input (x)	$3x + 3$	Output (y)
		3
		6
		9
		12
		15

9. **FOOD** A pizza place sells pizzas for \$7 each plus a \$4 delivery charge per order. If Pat orders 3 pizzas to be delivered, what will be his total cost?

10. **MOVIES** A store sells used DVDs for \$8 each and used videotapes for \$6 each. The function rule $8d + 6v$ can be used to represent the total selling price of DVDs d and videotapes v . Then use the function rule to find the price of 5 DVDs and 3 videotapes.