6th Grade
April 13, 2021

Today we will:

-Review HW

-Work on classwork

HOMEWORK:

Page583 WS if not done in class

Video notes on 8-2

New ALEKS assignment due next Monday night

Please check this Lesson 1 HW Practice WS. Checkmark each answer you get correct and circle or x the incorrect answers and fill in correct answers. When finished, put this into your notebook after your completed notes. Label your page "Unit 8 Lesson 1, April 13"

Lesson 1 Homework Practice

Function Tables

Complete each function table.

1.

Input (x)	$x + 6$	Output (y)
0	0+6	6
3	3+6	9
7	7+6	13

2.

Input (x)	$x - 1$	Output (y)
1	1-1	0
4	4-1	3
8	8-1	7

3.

Input (x)	$3x + 2$	Output (y)
0	3·0+2	2
2	3·2+2	8
4	3·4+2	14

4.

Input (x)	$x \div 2$	Output (y)
4	4÷2	2
8	8÷2	4
10	10÷2	5

Find the input for each function table.

5.

Input (x)	$x \div 4$	Output (y)
4	4÷4	1
8	8÷4	2
16	16÷4	4

6.

Input (x)	$x \div 2$	Output (y)
2	2÷2	1
6	6÷2	3
10	10÷2	5

7.

Input (x)	$x - 3$	Output (y)
3	3-3	0
5	5-3	2
6	6-3	3
8	8-3	5
11	11-3	8

- 3 ÷3

8.

Input (x)	$3x + 3$	Output (y)
0	3·0+3	3
1	3·1+3	6
2	3·2+3	9
3	3·3+3	12
4	3·4+3	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? **\$25**

7·p+4 7·3+4

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. **\$58**

8d+6v

8·5+6·3

40+18

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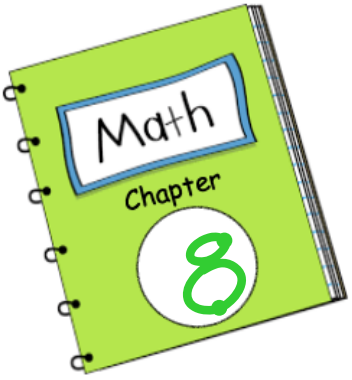
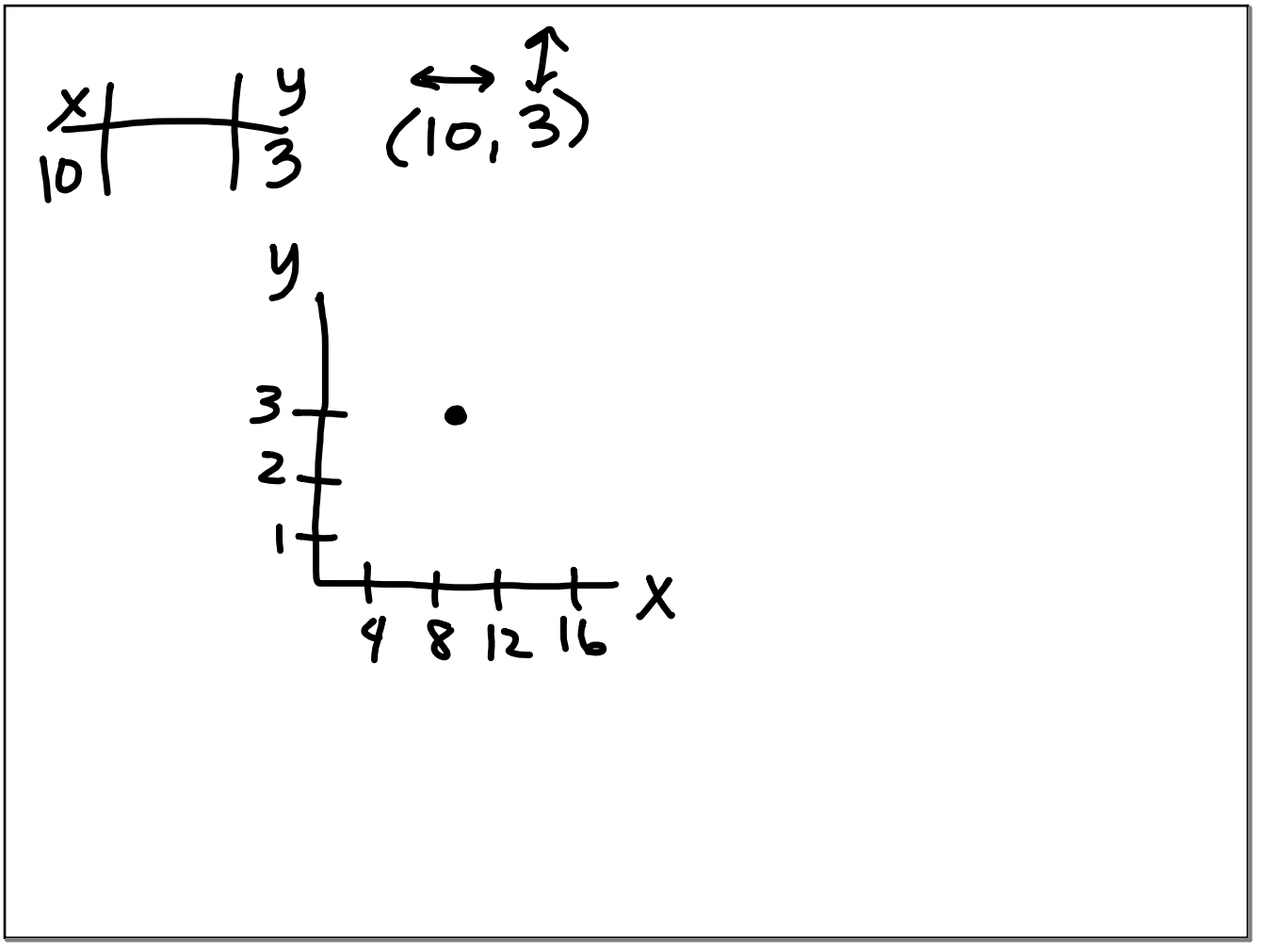


TITLE: Functions

Date	Lesson	Topic/Assignment
4/12	1	Function Tables In-Class Notes
4/13	1	HOMEWORK: Homework Practice WS
4/13	1	CLASSWORK: Pg583 WS
4/14	2	Function Rules Video Notes
4/15	2	HOMEWORK: Practice WS
4/15	2	CLASSWORK: Extra Practice WS
4/16	3	Functions and Equations In-Class Notes
4/16	3	CLASSWORK: Pg 599 WS


x
y
10
3
(10, 3)
y
3
2
1
4
8
12
16
x

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HOMEWORK

Name _____

Unit ___ Lesson _____ Due Date _____

Name _____ My Homework _____

Independent Practice

Go online for Step-by-Step Solutions

eHelp

MP Use Math Tools Complete each function table. (Examples 1–3)

1.

Input (x)	3x + 5	Output
0		
3		
9		

2.

Input (x)	x − 4	Output
4		
8		
11		

3.

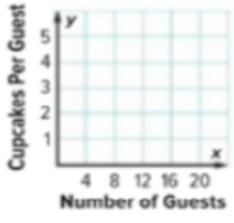
Input (x)	x + 2	Output
		2
		3
		8

4.

Input (x)	2x + 4	Output
		18
		22
		34

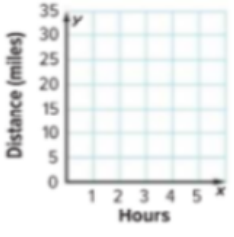
5. Whitney has a total of 30 cupcakes for her guests. The function rule, 30 ÷ x where x is the number of guests, can be used to find the number of cupcakes per guest. Make a table of values that shows the number of cupcakes each guest will get if there are 6, 10, or 15 guests. Then graph the function. (Examples 1 and 2)

Number of Guests (x)	30 ÷ x	Cupcakes per Guest (y)



6. Bella rollerblades 8 miles in one hour. The function rule that represents this situation is 8x, where x is the number of hours. Make a table to find how many hours she has skated when she has traveled 16, 24, and 32 miles. Then graph the function. (Examples 3 and 4)

Hours (x)	8x	Miles (y)



7. Refer to Exercise 6. How many miles would Bella travel if she skated for 7 hours? _____

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Function Rules

Use words and symbols to describe the value of each term as a function of its position. Then find the value of the tenth term in the sequence.

1.

Position	5	6	7	8	n
Value of Term	2	3	4	5	

Function rule: _____

Value of 10th term: _____

2.

Position	1	2	3	4	n
Value of Term	6	12	18	24	

Function rule: _____

Value of 10th term: _____

3.

Weeks Overdue (x)	Fee ($)
1	3
2	5
3	7
4	9
x	

Function rule: _____

Value of 10th term: _____