## **Unit Review**

LESSON CONTRACTOR OF THE PROPERTY OF THE PROPE
1.1 a) Circle the numbers that are divisible by 4.
312 1407 204 3441 640 763
b) How do you know if a number is divisible by 4?
La Regla dice: Un número es divisible por 4 si la cipa Representada por los dos últimos numeros los divisible por 4.
2. a) Circle the numbers that are divisible by 2 and by 3.
606 330 501 2466 492 9342
b) What other number are the circled numbers in part a divisible by?
How do you know?
Un numero que es divisible por 2 y 3 es divisible por 6.
1.2 3. Which numbers below are divisible by 8? Divisible by 5?  How do you know?
a) 244: 8 NO por circo
No por ocho
b) 160: Por cinco -> Teremina en O
POR 8 -> las Tres cipras son divisible por 8
c) 315: POR cinco -> Termina en O
No por 8
d) 608: No por cinco
Por 8 -> las Tres cigras son divisibles por 8
4. Use your answers from question 3 to help you list all the factors of each number.
a) 244: 1, 2, 4 61, 122, 244
b) 160: 1, 2, 5,8,0,32,80, 40, 16,160
c) 315: 1, 3, 5, 7, 9, 15, 21, 35, 45, 63, 105, 315
d) 608: 1,2 4,8,16,19 32 38,76 152 304,608

**5.** Write an algebraic expression for each phrase. Use the variable n. 1.3

d) Seven more than four times a number:  $\frac{4n + 7}{2}$ 

**6.** Evaluate each expression for n = 5.

7. a) Zadie climbed four sets of stairs every minute for the Charity Stair Climb Fundraiser. Complete this table. The pattern continues.

Time (minutes)	1	2	3	4	5	6	7	8 _
Sets of stairs climbed	4	8	12	16	20	24	28	32

- b) How many sets of stairs will Zadie have climbed after 15 minutes?  $\frac{15 \times 4}{2} = 60$
- 8. Write a relation for the pattern rule for each number pattern.

a) 3, 6, 9, 12, 15, ... It goes by 3, 7 n + 3 b) 8, 9, 10, 11, 12, ... If goes up by 1 n + 1

9. Complete each table. 1.5

How is each Output number related to its Input number?

) [	Input ,	Output 3 <i>n</i> + 5	b
	1	8	1+3
	2	11 4	
	3	146	1+3.
	4	17	+3
-		1	1 1

Input n	Output 5 <i>n</i> + 3	C
1	8 -	1 +5
2	13 4	
3	18 6	+5
4	23 E	
5	28	

Input n	Output 5 <i>n</i> – 3	
1	2,	+5
2	72	, ,
3	12	
4	17	140
5	22	

Input goes up by 1 Input goes up by 1 Input goes up by 5 Output goes up by 5

Use algebra. Write a relation for each table.

a)	Input m	Output
	1	9
	2	11 4
	3	13
	1	15

	10
5	17
2001	ユ

Input	Output
1	9
2	16 4
3	23
4	30
- 05 (4	37

7	m	+2	
7	1 , ,	TZ	J

Input m	Output	
1	5	D + 7
2	12	3
3	19 4	
4	26 4	₹
5	33	

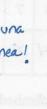
c)

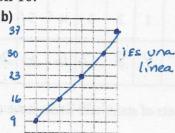
11. Graph each relation in question 10.

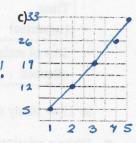




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**12.** Write an equation for each sentence.

Let *n* represent the number.

a) Four times a number is sixteen.

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- b) Eight subtracted from four times a number is sixteen. 40 8 = 16
- 12 + 40 = 16c) Twelve more than four times a number is sixteen.
- d) Thirty-two minus four times a number is sixteen. 40 32 = 16
- **13.** Write an equation for each sentence. Let *n* represent the number.
  - a) Four less than a number is sixteen.
     b) A number divided by five is ten.

  - c) Five more than three times a number is eleven. 3n + 5 = 1/
- 14. Robin walked twice around a lake, plus an extra 3 km. Her pedometer showed that she had walked a total of 19 km. Write then solve an equation to find how far it is around the lake.

2n + 3 = 19

	Language
-	10-11
	n= 8
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