

HW 1-4B

Date _____

***GRADED HW.**

_____/12

Evaluate each expression.

1) $29 + (-36)$

- A) 22 B) -7 C) -21

2) $(-36) + 14$

- A) -24 B) -37 C) -22

3) $(-2) - 31$

- A) -33 B) -32 C) -39

4) $29 - 3$

- A) 26 B) 21 C) -17

5) $-2 \cdot 3$

- A) 6 B) -6 C) 1

6) $10 \cdot -10$

- A) -100 B) -104
-
- C) -95

7) $32 \div -4$

- A) 128 B) 28 C) -8

8) $-18 \div -2$

- A) 9 B) 0.11111111111111
-
- C) -8

Word Problems: SHOW WORK.9) Your bank account has a balance of $-\$12$.You deposit $\$60$.

What is your new balance?

- A) 72 B) 48 C) -48

10) The floor of the shallow end of a swimming pool is at -3 feet. The floor of the deep end is 9 feet deeper. Which expression can be used to find the depth of the deep end?

- A)
- $9 - 3$
- B)
- $-3 + 9$
- C)
- $-3 - 9$

11) You lose four points each time you attend gym class without sneakers. You forget your sneakers three times. What integer represents the change in your points?

- A) 7 B) 12 C) -12

12) While hiking along a Florida Trail, a hiker climbs down an 84-foot hill in 4 minutes. What is the change in elevation per minute?

- A) 21 B) -21 C) 336

OBJECTIVE

To solve the problem by adding integers.

PROCESS

You are to create a flyer that represents the real world situation

1. Chose one of 3 word problems and create a flyer.

A football team had 4 plays. The first play they gained 6 yards, the second play they lost 3 yards, the third play they lost 2 more yards and the last play they gained 1 more yard. If they started at the zero yard line where are they now?

A golfer had the following scores: The first hole he scores a +2, the second hole he scored a -1, the third hole he scored a +3 and the fourth hole he scored a -2. What was his final score?

A mountain climber started at zero elevation. The first day he hiked 10 miles up the mountain, the second day it got steeper and only hiked 3 miles, the third day he had to detour and went down 4 miles and the last day he went up 1 mile. How far did he get up the mountain?

2. Draw/Cut and Paste the objects described in your problem that best represents your word problem

3. Use your rules for integers to find the answer.

- ✓ Write the problem
- ✓ Show all your work

4. Write a paragraph that summarizes the process you used to set up the problem and solve it by using at least 5 vocabulary words. (Can be typed or written on separate piece of paper.)

Choose from the following:

integer	add	subtract	positive
negative	increase	opposites	sign
decrease	solution	absolute value	Distance
gained	lost	up/ down	minus

5. Design your flyer

- ✓ Be creative and illustrate what your real life problem is about. **NEATNESS COUNTS!!!**

GRADING RUBRIC

Category	Requirements	Points
Draw the picture	<ul style="list-style-type: none"> ✓ Correctly represents the real world situation ✓ Labels are correct 	_____/10
Solve the problem	<ul style="list-style-type: none"> ✓ All work is presented ✓ No mathematical errors 	_____/10
Write the paragraph	<ul style="list-style-type: none"> ✓ Consists of at least 5 sentences ✓ Contains at least 5 vocabulary words used in their correct context ✓ Correctly describes the summary ✓ No grammar or spelling errors *GET IT PROOF READ* 	_____/10
Design the flyer	<ul style="list-style-type: none"> ✓ Neat and creative, include COLOR ✓ Illustrates the topic of the word problem 	_____/10
	Total	_____/40