

Mathematics 5 Assignment

Name: _____

Unit 1: Large Numbers and Integers

Part 1: Multiple Choice

1. What is four hundred twenty two thousand sixty in standard form?
 - a) 422 060
 - b) 422 600
 - c) 422 006
 - d) 422 060 000

2. What is the value of 6 in 645 204
 - a) Six hundred
 - b) Sixty hundred
 - c) Six hundred thousand
 - d) Sixty thousand

3. When two opposite integers are added together, the sum is
 - a) Always positive
 - b) Always negative
 - c) It will be different every time
 - d) Zero

4. Which integer best describes a hot air balloons floats 50 meters off the ground?
 - a) -50
 - b) +50

Part 2: Representing and Understanding Large Numbers

1. Write the given numbers in **standard form**

a) Sixty three thousand, eighteen

b) Nine hundred twenty one thousand, seven hundred thirty

c) $600\,000 + 50\,000 + 6\,000 + 400 + 10$

d) $800\,000 + 50\,000 + 5\,000 + 700 + 10 + 4$

2. Write the given numbers in written form.

a) 341 654

b) 90 005

c) $400\,000 + 40\,000 + 4\,000 + 800 + 30 + 6$

d) $50\,000 + 5\,000 + 600 + 6$

3. Write the given numbers in **expanded form**

a) 463 121

b) 89 000

c) fourteen thousand eight hundred fifty two

4. . Write the **value** of the underlined digits

a) 267 317 _____

b) 453 750 _____

c) 397 383 _____

5. a) Write the number that is 10 000 **more** than 221 462? _____

b) How many thousands are in 300 000? _____

6. a) Place the following number in the place value chart: 179 388

Hundred Billions	Ten Billions	Billions	Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

b) How many thousands does the number above have? _____

7. Arrange the following numbers in order from **least to greatest**.

274 397 340 489 834 400

480 448 439 489 835 400

8. Rearrange the following digits to make the largest number possible and the smallest number possible. You must include all the digits.

4 8 3 0 9 5

Largest Number: _____ Smallest Number: _____

9. Susan says 930 000 is more than 9 200 000. Is she right or wrong? Justify your answer.

Learning Goal: Students can represent large numbers and understands place value.	1	2	3	4
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Part 3: Problem Solving with Large Numbers. Show ALL your work.

1. A company that creates stamps prints approximately 20 111 each day. How many stamps did they make in the month of September?

2. The warehouse workers packed 4756 boxes of dictionaries. Each box held 24 dictionaries. They also packed 5892 boxes of spelling books. Each box held 36 books. **Estimate first, without using a calculator.** How many books did the workers pack altogether?

3. Enrique's crew planted 258 rows of tomatoes. Each row had 175 plants. How many tomatoes did Enrique's crew plant?

Learning Goal: Students can solve problems with large whole numbers.	1	2	3	4
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Part 4: Integers

1. Write an integer to represent each situation.

- | | |
|---|----------|
| a) A building is 35 stories tall. | a. _____ |
| b) Hikers descended about 270 feet. | b. _____ |
| c) Bob owes his sister \$12. | c. _____ |
| d) The temperature rose 19° . | d. _____ |
| e) The city is 15 feet below sea level. | e. _____ |
| f) You deposit \$25 in your bank account. | f. _____ |

2. The change in position of the ball during each play of a football game is measured in yards.

- a) What integer best represents a gain of 5 yards? _____
- b) What integer best represents a loss of 15 yards? _____
- c) What would the number 0 represent in this context?

3. Compare the integers. Use the symbols $<$, $>$, or $=$.

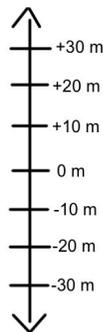
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|--------------------|---------------------|---------------------|
| a. -4 _____ 13 | b. 99 _____ -99 | c. 23 _____ -23 |
| d. -33 _____ 0 | e. 47 _____ -49 | f. 0 _____ -4 |

4. Plot the integers on the number lines:

- a) 5, -2, 8, 2, -10



- b) 20, -15, 35, 0, -5



5. Draw a pictorial representing of each of the integers below.

a) -5

b) +8

c) 0

Learning Goal: Students can representing integers concretely and pictorially	1	2	3	4
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BONUS QUESTION

Donna and Kirk are testing two elevators in a high rise building.

Donna gets in elevator #1 and does the following:

- Goes up 29 floors
- Goes down 8 floors
- Rises 12 floors
- Descends 21 floors
- Ascends 6 floors
- Donna gets off the elevator

At the same time, Kirk gets in elevator #2 and does the following:

- Goes up 10 floors
- Descends 14 floors
- Ascends 25 floors
- Rises 4 floors
- Goes down 7 floors
- Kirk gets off the elevator

- a. Donna traveled to the highest floor in the building.
What integer would represent the highest floor? a. _____
- b. Kirk went to the lowest floor in the building.
What integer would represent the lowest floor? b. _____
- c. What floor did Donna get off the elevator? c. _____
- d. What floor did Kirk get off the elevator? d. _____
- e. How many floors apart are Donna and Kirk? e. _____