6th Grade Math
Unit5 –Review: Integers

Name:
Date:
Period:

REMEMBER: Partial credit is granted only when work is shown and comprehensible!

Write an integer to describe each expression below.

1.) Withdraw $673 from your checking account   _____

2.) A loss of 7 yards   _____

3.) Gain 12 pounds over the holidays   _____

Write a situation that each integer could represent.

4.) -63:_____

5.) +85: _____

Find the absolute value.

6.) $-|-116|$ = _____   7)   = _____   8) $|56|$ = _____

Order from least to greatest. You can use decimals or common denominators.

9.)   –   –   –

_____

10.)   –   –   —

_____

<u>**Define and give an example of each**</u>

Integers:

Rational Numbers:

Absolute Value:

Opposites:

14. The temperature in New York city one morning was ___. The wind chill temperature that same morning was ___.
 	
What was the difference in the actual and wind chill temperature?
  A. 18 degrees
  B. 19 degrees
  C. 25 degrees
  D. 26 degrees
	15. The highest elevation in Africa is in Kilimanjaro which is 19,334 feet above sea level. The lowest elevation in Africa is at Lake Assal which is 509 feet below sea level.
	
	What is the difference in elevation between the 2 locations?
	  A. 19,843 feet
	  B. 19,833 feet
	  C. 19,225 feet
	  D. 18,825 feet

16. Mrs. Fernandez starts out with $255 in her checking account. She deposits $35 on Monday. Tuesday afternoon she writes a check fro $75.
 	
Which expression could be used to find her new account balance?
  A. 255 + 35 - 75
  B. 255 – 35 - 75
  C. -255 + 35 - 75
  D. 255 + 35 + 75
	17. On a number line, **what is the distance between -15 and its opposite?**
	  A. 30 units
	  B. -15 units
	  C. 15 units
	  D. -30 units

18. An ion of phosphate is composed of 15 positively charged protons and 18 negatively charged electrons. Protons have a charge of +1, and electrons have a charge of -1.
 	
What is the overall charge of the ion of phosphate?
  A. +33
  B. -3
  C. -33
  D. +3
	19. Hillary lists the charge of several ions of different elements. A charge of 0 means that the ion has no charge. The farther away the charge is from 0, the more powerful the charge.
	
	Which ion has the *least* powerful charge?
	  A. Calcium
	  B. Phosphate
	  C. Sulfide
	  D. Ammonium

Table for question 19:

Ion	Calcium	Phosphate	Sulfide	Ammonium
Charge	+2	-3	-2	+1
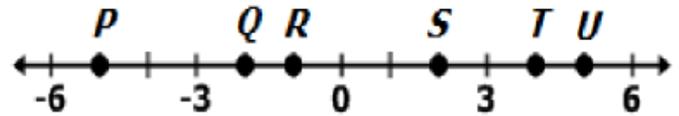
20. **Which expression has the greatest value?** A. 1 B. C. -1 D.	21. **Six points are plotted on the number line.** Which points on the number line are opposites? A. R and S B. P and T C. R and U D. P and U
22. The table shows the elevations of 4 locations | Locations	Elevation (meters)
Dead Sea Shore	-424
Death Valley	-86
Fort Worth	601
Catalina Island	49 | **What is the difference in elevation between Fort Worth and Dead Sea Shore?** A. 177 meters B. 1,025 meters C. -177 meters D. -1,025 meters	23. The temperature in Sheboygan, Wisconsin are given in the table. | Day	Temperature (
Monday	5
Tuesday	-5
Wednesday	3
Thursday	-2 | **Which inequality comparing the temperatures is correct?** A. B. C. D.