Math 6+/7+ Unit 1 Study Guide

You must show all of your work in your notebook!

1. Explain why 191 and 1-91 are equal. They are both the some distance from zero,

2. What is an additive inverse? Give an example. 2 integers winesession is © 3. Use any strategy to model: 9 + (-7) 22222222 = 2

4. Use any strategy to model: -5 + 7

Evaluate

5.
$$19 + (-9) + 45 + (-32)$$
 23 $8. -22 - 8 30$ $9. 0 + (-15) - 1 = 10$

6.
$$450 + (-350)$$

$$9.0 + (-15) - 1 = (-16)$$

7.
$$22 - (-7)$$

10. The product of one negative and one positive is? からかい

11. The product of two negatives is? Positive

12. The product of three negatives is? negative

13. Zach solved the following problem. Is he correct? If not, explain his mistake.

It is with (-8)(8)=64NO

14. Max's golf scores are -4, 5, -1, and 6. Order them from least to greatest.

15. During a game, the Mills Park Football Team gained 5 yards, lost 10 yards, gained 17 yards, gained 2 yards, lost 15 yards, and finally gained 10 yards. What was the net change?

16. An airplane takes off, climbs 3,000 feet, and then descends 600 feet. What is the airplanes current height? 3000 - 600 = 3400 + 4.

17.
$$[3^2 * (4+6)] - 7$$

$$[9 \circ 10] - 7$$

$$[9 \circ 7] = 7$$

$$20. -2(-9 + (-9) + 2^{2})$$

$$-2(-9 + -9 + 4)$$

$$-2(-18 + 4) = -2(-14) = 28$$

21.
$$\frac{8}{-2+4+8+(-4)+(-6)}$$
 $\frac{8}{-(c+8+(-4)+(-6))} = \frac{8}{2+-c+4} = \frac{8}{2+-c+$

22.
$$\frac{(-1)^2-2^2}{(-1)^4} = \frac{1-4}{1} = \frac{3}{1} = \frac{3}{1}$$

$$\begin{array}{c|c}
24 & |8-32| - |2| \\
24 - 2 \\
(12)
\end{array}$$