÷

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_

1. A hot air balloon starts from the ground and floats 25ft. off the ground. It then increases another 65 ft. What is the balloon’s final height?

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

2. Determine the absolute value of each:

| -2 = \_\_\_\_\_\_\_\_ |23| = \_\_\_\_\_\_\_\_ |-100| = \_\_\_\_\_\_\_\_

3. Find the opposite of each:

-12 \_\_\_\_\_\_\_ 34 \_\_\_\_\_\_\_ -100 \_\_\_\_\_\_\_

4. Order the numbers from least to greatest: –22, 11, 1, –11, 21, –31

**\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_**

5. Rewrite these numbers in order from smallest to largest.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | l-32l | 0 | - 42 | 3 -3 |

**\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_**

6. Circle the number with the **GREATER** value:

-21 or - 22 5 or -8 -110 or 0

7. The sum of a number and its opposite will equal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (rhymes with hero)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |

SOLVE. SHOW ALL WORK.

8. -350 **+** 172 = \_\_\_\_\_\_ 9. -245 **+** (-333) = \_\_\_\_\_\_

10. 45 **÷** 5 = \_\_\_\_\_\_ 11. -4 **x** (-7) = \_\_\_\_\_\_

12. 2 **+** (-6) **+** (-12)= \_\_\_\_\_\_ 13. -10 **–** (-3) **x** 5 = \_\_\_\_\_\_

14. The list below gives monthly average low temperatures (in ° Fahrenheit) for Seneca Falls, NY from November to March.

1. What is the lowest of these monthly low temperatures? \_\_\_\_\_\_\_\_\_

**b.** What is the difference between the highest and lowest temperature? \_\_\_\_\_\_\_\_\_

15. Jorge dove off a cliff. The cliff was 235 feet above sea level. He dove into the water and went 25 feet below sea level. How far in total did he dive?

16. Jeff started out with $350 in his bank account. He spent $45 to buy a sweatshirt for the ballgame. He earned $25 walking dogs and $34 mowing lawns. How much money is now in his account?

17. Once a parachute is deployed, a skydiver descends at a rate of about 5 meters per second. Where will the skydiver be in relation to where the parachute deployed after 4 seconds?