**Jennings Math 8 Quiz – Math Integers Quiz**

You may use a 25 x 25 multiplication chart. No calculators for this quiz.

You may use number lines to help you. You may draw a chart to help you.

You should be able to:   
- represent information as integers (Gr. 6 Review)

- add and subtract basic integers (Gr. 7 Review)  
- solve word problems that use addition and subtraction of integers (Gr. 7 Review)

- multiply and divide basic integers

Prior knowledge you might apply:  
- addition and subtraction

- knowledge of adding and subtracting whole positive and negative numbers (integers)  
- using number lines

- using BEDMAS for order of operations

***Procedural Questions.***

1. ***Write an integer that represent the following information:***
2. A credit of $15
3. A loss of 53 metres
4. A debit of $35
5. A drop of 6 points
6. A gain of 3 minutes
7. A payment of $40
8. ***Solve these equations.***
9. 12 + 3 =
10. -9 – 7 =
11. (-8) + (-6) =
12. -10 – -10 =
13. 7 x -3 =
14. (-8)(-4) =
15. -27/9 =
16. (-1) \* (-1) =
17. -5 x 4 =
18. 2(-8)
19. -36/-4 =
20. 45/9 =

***Problem Solving***

Show your calculations/clarifying pictures/work.

Box answers.

Use units.

Write a sentence to answer the question.

1. Mt. Everest, the highest elevation on Earth, is in Nepal and stands at 8 850m. The lowest exposed land elevation in the world is at the Dead Sea Expression along the borders of Jordan and Israel. The total distance between the highest elevation and lowest elevation on earth is 9 263m. What is the elevation of the Dead Sea Expression?
2. A number taken from 4 equals -12. What is the number?
3. Shayla is buying some furniture, and uses a store credit account to spread her payment over several months. She makes a down payment of $300. She then pays $200 a month for two more months. At that point she only owes $100. Write an equation to show her financial transactions and how much the furniture cost in total.
4. At noon, the temperature was 7 degrees Celsius. By 8pm, there was a light dusting of snow on the ground, though it melted about an hour later. By 6am the next day, the temperature was up by another 5 degrees Celsius. What range of temperature change occurred between noon and 6am the next day? Justify your answer in another sentence.

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| Understands math concepts and relationships. |  |
| Uses math reasoning to analyze and solve problems. |  |
| **Self-check:**   * I make an effort to try some problems and calculations by myself. * I work with friends by comparing answers and debating differences (rather than copying or chatting). * I make an effort to compare my answers with people other than who I worked with. * I complete homework when assigned. * I ask the teacher for support or clarification or extension where needed. * I ask for extra practice where I need it.   Based on the above self-check, what are you doing well during math class?  What do you still need to work on?  Is there anything else your teacher needs to consider or provide? | |