Name: Hour

**Study Guide Quiz 3 – 7th grade**

1.) The difference between 2 integers is -10. Which of the expressions could represent the subtraction problem?

a.) -12 – 2 b.) 2- 12 c.) 8 – (-2) d.) -5 -5 e.) -12 – (-2)

-14 -10 10 -10 -10

2.) Tim’s bank account balance is shown by the table according to week.

***Part A***

Which statement is true about Tim’s bank balances?

|  |  |
| --- | --- |
| **Week** | **Balance** |
| 1 | $100 |
| 2 | $-300 |
| 3 | $-200 |

a.) Tim’s bank account changed from Week 1 to Week 2 by $-200

b.) Tim’s bank account changed from Week 1 to Week 3 by $-100

c.) Tim’s bank account changed from Week 2 to Week 3 by $-100

d.) Tim’s bank account changed from Week 1 to Week 3 by $-300 Based on number line

***Part B***

Combine the balance of the 3 weeks. What is the total?

Show your work.

Answer: \_\_\_\_\_\_\_-400\_\_\_\_\_\_\_\_\_

3.) Let x represent a positive number and let y represent a negative number.

Tell whether each statement is True or False

a.) (x – y) could be negative True False

b.) (y – x) cannot be positive True False

c.) x + y could be positive True False

d.) y + x must be negative True False

4.) Writhe the letter for each expression in the box under the correct category in the table.

|  |
| --- |
| **a.)** 6 + (-1) + (-2) = 3 |
| **b.)** -9 + 4 + 5  = 0 |
| **c.)** -2 + 5 + (-2)  = 1 |
| **d.)** -4 + 10 + (-12)  = -6 |
| **e.)** 5 + (-1) + (-6)  = -2 |
| **f.)** 3 + (-6) + 3  = 0 |

|  |  |  |
| --- | --- | --- |
| **Negative Sum** | **Zero Sum** | **Positive Sum** |
| D  E | B  F | A  C |

5.) Look over the subtraction expression:

-10 – (-2) – 7

***Part A***

Write the subtraction expression as an addition expression

\_\_\_-10\_\_\_\_\_ + \_\_\_\_2\_\_\_\_ + \_\_\_-7\_\_\_\_\_

***Part B***

What is the value of the expression, show your work

Answer: \_\_\_\_\_\_\_\_-15\_\_\_\_\_\_\_\_\_\_\_\_\_