GR8 ASSESSMENT INTEGERS 2014

**GRADE 8**

**DATE: 23 April 2014**

**ASSESSMENT ON INTEGERS**

**Total: 50**

**Time: 1H**

**Instructions:**

Write neatly and legibly.

Calculators may not be used.

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**QUESTION 1:**

Replace * with the relationship signs >, < or = to make the statement true.

1.1 -307 * -240

1.2 0 * -20

1.3 -19 * 5

1.4 -29 * -35

1.5 -123 * 123 (5)

**QUESTION 2:**

Calculate the following , show all your working out.

2.1 $(-8) + (+13) =$ (1)

2.2 $(-23) + (+6) + (+17) =$ (1)

2.3 $(-9) + (-18) =$ (1)

2.4 $-10 - (-9) =$ (1)

2.5 $5 - (+7) - (-8) - 3 =$ (4)

2.6 $-64 \div 9 =$ (1)

2.7 $\frac{-18}{3} =$ (1)

2.8 $\frac{-169}{13} =$ (1)

2.9 $\frac{24+3(-6)}{-6+10} =$ (2)

2.10 $\frac{49}{-7} - \frac{-81}{9} =$ (2)

2.11 $17 + [(-15) \div (-5)] =$ (2)

2.12 $\frac{56}{-7} - (-7) =$ (2)

2.13 $60 - 8(-5) + \frac{-96}{8}$ (3)

2.14 $\frac{(-9)+(16)}{-7} =$ (2)

**QUESTION 3:**

Calculate the following:

3.1 $(-8)^2 + (4)^2 =$ (3)

3.2 $\sqrt{-16} =$ (1)

3.3 $\sqrt{81} =$ (2)

3.4 $\sqrt[3]{27} =$ (2)

3.5 $\sqrt[3]{-8} =$ (1)

3.6 $\frac{-15}{-3} - \sqrt[3]{27} =$ (2)

**QUESTION 4 :**

4.1 Apply the distributive property of integers to calculate the answer to the question below:

$-9[(-9) - (-7)]$ (4)

4.2 Apply the associative property to calculate the answer to the question below:

13 + 7 + 6 (2)

4.3 Apply the commutative property to calculate the answer to the question below

49 X (-2) (2)

4.4 The sum of two integers is -12. One of the integers is -3. What is the other integer? (2)

**TOTAL: 50**