Willard Middle School – Mathematics

SUMMATIVE TEST – Power Standards 8:1 & 8:2

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_\_\_

1. 6% of what is 50?
2. 833.3
3. 3
4. 83.8
5. 0.001
6. Identify the distributive property:

a. 3(4+6)=3(4)+3(6)

b. 2(8+3)=28+23

c. (2·3)·5=2·(3·5)

1. 4+0=0+4
2. Use the order of operations to answer correctly 12+(2·6)÷3

a. -16

b. 8

c. 28

d. 16

1. -123 + ?=0
   1. -123
   2. 123
2. 28 =
3. 16
4. 8 · 8
5. 25
6. 128
7. 3.6·104=

a. 360,000

b. 3.60000

c. 0.3600

d. 36,000

1. Choose a number less than 100 that can be written as the product of the same factor. Then write it as a base with an exponent.

(Ex: 64=4 ·4· 4=43)

1. Choose a number between 100 and 1,000. Write it in standard form and in scientific notation.
2. John scored 85% on his first test. Will a score of 22 out of 25 help or hurt his grade? Explain your reasoning.
3. Create a number line showing the correct placement of the following numbers:

0, 1, -1, 2, -2, 3, -3, 2 , -2