Willard Middle School – Mathematics

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

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

1. Find 60% of 120

a. 7200

b. 72

c. 200

d. 720

1. Identify the associative property for multiplication:
2. (2+3)a=2a+3a
3. (2∙3)∙4=2∙(3∙4)
4. 3∙6=6∙3
5. 15=3∙5
6. Use the order of operations to answer correctly 12+6²·3-11

 a. 133

 b. 961

 c. 109

 d. -384

1. $\frac{2}{3} $· ?=1

a. $\frac{3}{2}$

b$\frac{2}{3}$

c. $\frac{-3}{2}$

d. 0

1. 5⁶ means
2. 5·5·5·5·5·5
3. 5·6
4. 5+5+5+5+5+5

 d. 6·6·6·6·6

1. 4.5·10-5=

 a. 0.000045

 b. 0.0000045

 c. 50,000

 d. -4.500000

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

 (Ex: 243=3· 3· 3· 3· 3=35)

1. Create a number line showing the correct placement of the following numbers:

-2$\frac{1}{2}$, 2.375, 4$\frac{3}{4}$, 300%, -1, -1.1

1. Alice scored 91% on her first test. Will a score of 15 out of 18 help or hurt her grade? Explain your reasoning.
2. Choose a number between 0 and 1. Write it in standard form and in scientific notation.