Mathematics

Power Standards 8:1

Pre-Formative Test

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

1. Which of the following is an example of the identity property for addition?
2. 4+0=4
3. 4+0=0+4
4. 1∙4=4
5. 3+(-3)=0
6. Solve for x: x = 3+4(5+6)÷2
7. 38.5
8. 20.5
9. 23.5
10. 25
11. Translate into an algebraic expression: Six less than the product of nine and four.
12. 6-(9·4)
13. (9·4)-6
14. (6-9)·4
15. (9+4)-6
16. Which of the following is an example of the distributive property?
17. 3(9+2)=3(9)+3(2)
18. 4(5+4)= 4(5)+4
19. 5(6-4)=5(2)
20. 4+2=2+4
21. What is the first step when solving the following equation?

x=8(2+6)+62

1. multiply 8 by 2
2. 62
3. 2 + 6
4. multiply 8 by
5. Raymond had 31 baseball cards. He gave the cards to his friends. Six of his friends received 3 cards each. Seven of his friends received 1 card each. The rest received 2 cards each. How many of his friends received exactly 2 cards from Raymond?
6. 25
7. 6
8. 18
9. 2
10. Fifteen boxes each containing 8 radios can be repacked in 10 larger boxes each containing how many radios?
11. 120
12. 80
13. 12
14. 18
15. Solve for x: x – 12 = -3

Show your work below.

Answer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Use the following three numbers to write an equation that illustrates the associative property: 3, 6, 9

Show your work below.

Answer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Use the following three numbers to write an equation that illustrates the distributive property: 4, 8, 1

Show your work below.

Answer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_