

10. What is $8 \cdot 8 \cdot 8 \cdot 8$ written in exponential form?

- F. 32 H. 4,096
G. 8^4 J. 4^8

11. Find the value of 3^5 .

- A. 25 C. 81
B. 125 D. 243

12. Simplify $12 + 3(18 - 4^2) + 9$.

- F. 39 H. 27
G. 217 J. 59

13. Simplify $(25 + 20) \div 5 + 2^2$.

- A. 13 C. 33
B. 5 D. 121

14. Which is an example of the Distributive Property?

- F. $7(34) = 7(3) + 7(4)$
G. $7 + (3 + 4) = (7 + 3) + 4$
H. $7(34) = 7(30) + 7(4)$
J. $7 + (3 + 4) = 7 + (4 + 3)$

15. $(18 + 13) + 7 = 18 + (13 + 7)$ is an example of which property?

- A. Commutative
B. Associative
C. Distributive
D. Identity

17. Layne sends an email to 7 people and those 7 people send the email to 7 more people, and so on. Write an expression to show the number of people who will receive the email after the fifth round.

18. Consider the expression:

$$(28 \div 4) \cdot 5 - 6 + 4^2$$

Explain the order of operations you would use to simplify this expression. Then simplify it.

CONSTRUCTED RESPONSE

16. Tim's grandfather lends him \$105 to buy a new cell phone. Each week Tim pays his grandfather \$15. How many weeks will it take Tim to pay back all the money?