

Chapter 1 Test, Form 2A

Write the letter for the correct answer in the blank at the right of each question.

For Questions 1 and 2, find the next term in each list.

1. 3, 7, 15, 31, 63, ...

- A. 126 B. 127 C. 94 D. 52 1. _____

2. 58, 57, 55, 52, 48, ...

- A. 56 B. 37 C. 47 D. 43 2. _____

3. **TOURISM** The State of the World Atlas predicts that 102 million people will travel to the U.S. in the year 2020 and that 31 million fewer people will travel to Spain. About how many people will travel to Spain in 2020?

Source: usatoday.com

- A. 60 million B. 130 million C. 70 million D. 100 million 3. _____

Find the value of each expression.

4. $12 \cdot 4 + 3$

- A. 51 B. 144 C. 84 D. 12 4. _____

5. $6(8 - 2)$

- A. 36 B. 46 C. 4 D. 28 5. _____

6. $7(2 + 6) - 18 \div 3$

- A. 1 B. 16 C. 50 D. 56 6. _____

7. $ab - 5$, if $a = 7$ and $b = 4$

- A. 37 B. 33 C. 28 D. 23 7. _____

8. $r + 2s - 9$, if $r = 8$ and $s = 5$

- A. 1 B. 9 C. 17 D. 24 8. _____

9. $u + 4v - w$, if $u = 9$, $v = 4$, and $w = 6$

- A. 19 B. 25 C. 40 D. 18 9. _____

For Questions 10 and 11, translate each phrase into a numerical or algebraic expression.

10. three less than ten

- A. 3×10 B. $10 - 3$ C. $3 + 10$ D. $3 \div 10$ 10. _____

11. a number increased by thirteen

- A. $n - 13$ B. $13n$ C. $n + 13$ D. $13 - n$ 11. _____

12. The difference of a number and 24 is 19. Find the number.

- A. 5 B. 19 C. 43 D. 24 12. _____

1 Chapter 1 Test, Form 2A *(continued)*

For Questions 13 and 14, name the property of multiplication shown by each statement.

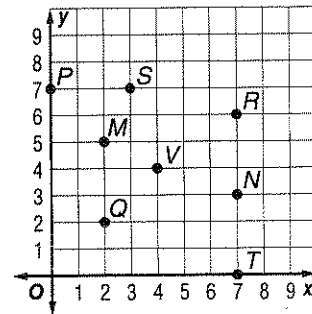
13. $11 \cdot 0 = 0$
 A. Associative B. Commutative C. Identity D. Zero 13. _____

14. $4 \cdot 1 = 1 \cdot 4$
 A. Associative B. Commutative C. Identity D. Zero 14. _____

15. Simplify $2 \cdot (m \cdot 6)$.
 A. $8m$ B. $8 + m$ C. $12m$ D. $2m + 6$ 15. _____

16. Find the solution of the equation $x - 44 = 57$.
 A. 85 B. 101 C. 13 D. 39 16. _____

17. Refer to the coordinate system shown at the right. Choose the point for the ordered pair (7, 3).
 A. M B. N
 C. S D. V



17. _____

For Questions 18 and 19, use the table below which shows the number of field goals made by a football team at various distances from the goal post.

Distance (yards)	Field Goals
20 or less	67
25	55
30	47
35	40
40	33
≥ 45	20

18. Which ordered pair would appear on a graph of the data?
 A. (40, 33)
 B. (33, 35)
 C. (20, 40)
 D. (47, 35)

18. _____

19. A scatter plot of this data would show which type of relationship?
 A. positive B. negative
 C. linear D. no relationship

19. _____

20. On a scatter plot that shows a positive relationship, the x and y values
 A. are both increasing.
 B. are increasing and decreasing respectively.
 C. show no obvious pattern.
 D. are decreasing and increasing respectively.

20. _____

Bonus Randall purchased 4 notebooks for \$1.39 each and 3 boxes of stick pens for \$0.89 each. Write and then evaluate an expression for the total cost of the school supplies. **B:** _____