

M7A Chapter-1 End of Chapter PRACTICE TEST**For Exercises 1-3, which expression represents the phrase?**

1. nine increased by two

- A.
- $\frac{9}{2}$
- B.
- $9 \cdot 2$
- C.
- $9 + 2$
- D.
- $9 - 2$

2. four times a number

- A.
- $4 \cdot 2$
- B.
- $4x$
- C.
- $4 + 2$
- D.
- $y + 4$

3. r decreased by 7

- A.
- $r - 7$
- B.
- $7r$
- C.
- $r + 7$
- D.
- $7 - r$

For Exercises 4-9, what is the value of each expression?

4. $2 \cdot 4 + 3$ 11

5. $6 + 8 \div 2$ 10

6. $9(2 + 1) - 12$ 15

7. $a - b$, if $a = 15$ and $b = 9$ 6

8. $k + p - 16$, if $k = 12$ and $p = 8$ 4

9. $u + 4v$, if $u = 9$ and $v = 4$ 25

For Exercises 10 and 11, which expressions are equivalent?

10. $8 + (n + 7)$
 A. $7n + 8$ B. $8n + 7$ C. $n - 1$ **D. $n + 15$**
11. $9 \cdot (7 \cdot m)$
 A. $16 + m$ B. $16m$ C. $7m + 9$ **D. $63m$**

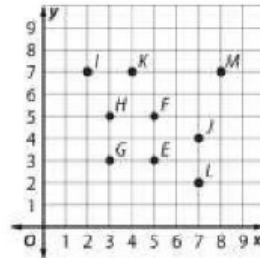
For Exercises 12 and 13, refer to the coordinate plane.

12. Choose the point for the ordered pair (5, 3).

- A. H **C. E**
 B. G D. B

13. Which ordered pair names point K?

(4, 7)



14. Which relation below has a domain of {1, 2, 5, 6}?

- A. $\{(2, 0), (2, 3), (2, 5), (2, 7)\}$ C. $\{(1, 3), (3, 1), (0, 5), (1, 8)\}$
B. $\{(1, 6), (2, 1), (5, 6), (6, 4)\}$ D. $\{(6, 2), (8, 3), (5, 4), (8, 5)\}$

For Exercises 15-17, refer to the table.

x	12	16	20	24
y	0	4	8	12

15. Which ordered pair would appear in a graph of the data?
 A. (0, 12) **B. (12, 0)** C. (12, 16) D. (20, 12)

16. Which rule represents the data in the table?
A. $x - 12$ B. $12 \cdot x$ C. $12 + x$ D. $x \div 12$

17. What is the range of the data?
{0, 4, 8, 12}

18. The sum of two consecutive odd integers is 32. What are the two integers?
15 AND 17

19. A group bike tour costs \$100 plus \$25 for each rider. Write and evaluate an expression to find the total cost for 9 riders
 $100 + 25r$ WHERE $r = \text{RIDERS}$

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