

TEST NAME: **NAMSCM1314EE.4**
TEST ID: **130008**
GRADE: **08**
SUBJECT: **Mathematics**
TEST CATEGORY: **My Classroom**

Student: _____

Class: _____

Date: _____

1. Which expression is equivalent to $(4.5 \times 10^4)(1,200)$?
 - A. 5.4×10^6
 - B. 5.4×10^7
 - C. 5.7×10^6
 - D. 5.7×10^7

2. Which expression is equivalent to $(5.2 \times 10^7) \div (4.0 \times 10^{-3})$?
 - A. 1.3×10^{-10}
 - B. 1.3×10^4
 - C. 1.3×10^9
 - D. 1.3×10^{10}

3. What is the value of $(1.48 \times 10^{-8}) \div (2 \times 10^{-6})$?
 - A. 0.74
 - B. 0.074
 - C. 0.0074
 - D. 0.00074

4. What is the value of $(0.004)(0.0002)$?
 - A. 6×10^{-5}
 - B. 6×10^{-7}
 - C. 8×10^{-5}
 - D. 8×10^{-7}

5. Which expression is equivalent to $(6.5 \times 10^5)(2.5 \times 10^3)$?

- A 1.625×10^8
- B 1.625×10^9
- C 9×10^8
- D 9×10^{15}

6. Which is equivalent to $(7 \times 10^{-2})(0.03)$?

- A 2.1×10^{-4}
- B 2.1×10^{-3}
- C 2.1×10^3
- D 2.1×10^4

7. Which expression is equivalent to $(2 \times 10^5)(0.00000006)$?

- A 0.12×10^{-2}
- B 1.2×10^{-2}
- C 1.2×10^5
- D 12×10^7

8. What is the value of $\frac{2.89 \times 10^7}{1.7 \times 10^5}$?

- A 1.7
- B 17
- C 170
- D 1,700

9. What is the value of $\frac{6.2 \times 10^3}{3.1 \times 10^5}$?

- A 0.02
- B 0.2
- C 2
- D 200

10. What is the value of $(0.00035)(1.75 \times 10^{-4})$ in scientific notation?

- A 2.1×10^{-8}
- B 6.125×10^{-8}
- C 6.125×10^{-4}
- D 2.1×10^3

11. Which expression is equivalent to $(0.005)(2.6 \times 10^8)$?

- A 1.3×10^6
- B 1.3×10^5
- C 1.3×10^{-10}
- D 1.3×10^{-9}

12. Which expression is equivalent to $(4 \times 10^6)(1.03)$?

- A 2.4×10^5
- B 2.4×10^6
- C 4.12×10^6
- D 4.12×10^7

13. What is the value equivalent to $\frac{5.5 \times 10^{-4}}{0.02}$?

A. 1.1×10^{-5}

B. 1.1×10^{-2}

C. 2.75×10^{-5}

D. 2.75×10^{-2}

14. Which expression is equivalent to $\frac{6 \times 10^{-4}}{2 \times 10^3}$?

A. 3×10^{-7}

B. 3×10^{-1}

C. 3×10^1

D. 3×10^7

15. Which expression is equivalent to $(4.9 \times 10^7) \div 5$?

A. 9.8×10^5

B. 9.8×10^6

C. 9.8×10^8

16. Which is equivalent to $\frac{4.9 \times 10^{-3}}{0.00007}$?

A. 7×10^8

B. 7×10^2

C. 7×10^1

17. What is the value of $\frac{(4 \times 10^{-4})(6 \times 10^7)}{(2 \times 10^{-2})}$?
- A. 1.2×10^1
 - B. 1.2×10^2
 - C. 1.2×10^5
 - D. 1.2×10^6
18. Which expression is equivalent to $(3.3 \times 10^4)(2.5 \times 10^7)$?
- A. 8.25×10^3
 - B. 8.25×10^{11}
 - C. 8.25×10^{28}
19. Which expression is equivalent to $(2.6 \times 10^{-3})(5 \times 10^{-3})$?
- A. 1.3×10^{-6}
 - B. 1.3×10^{-5}
 - C. 1.3×10^5
 - D. 1.3×10^6
20. What is the value of $\frac{7.2 \times 10^{-6}}{3.6 \times 10^9}$?
- A. 2×10^{-3}
 - B. 2×10^{-15}
 - C. 3.6×10^{-3}
 - D. 3.6×10^{-15}
21. Which expression is equivalent to $(7.08 \times 10^{-3}) \div (0.08)$?
- A. 8.85×10^{-2}
 - B. 8.85×10^{-3}
 - C. 8.85×10^{-4}

22. What is the value of $(8 \times 10^2)(12)$?
- A. 96
 - B. 960
 - C. 9,600
23. Which expression is equivalent to $(5.7 \times 10^{-4})(80,000)$?
- A. 4.56×10^1
 - B. 4.56×10^9
 - C. 8.23×10^1
 - D. 8.23×10^9
24. Which value is equal to $(2.7 \times 10^{-4}) \div (9 \times 10^{-7})$?
- A. 0.3
 - B. 3
 - C. 30
 - D. 300
25. What is the value of $(5 \times 10^4) - (2 \times 10^3)$?
- A. 4.8×10^4
 - B. 4.8×10^1
 - C. 3×10^4
 - D. 3×10^1

26. What is the value of the expression $\frac{(4.8 \times 10^{-3})}{(1.2 \times 10^3)}$?
- A 4
 - B 0.00004
 - C 0.000004
 - D 4,000,000
27. What is the value of $(5 \times 10^{-3}) + (9 \times 10^{-3})$?
- A 1.4×10^{-5}
 - B 1.4×10^{-4}
 - C 1.4×10^{-3}
 - D 1.4×10^{-2}
28. What is the value of the expression $(6 \times 10^3) + (5 \times 10^2)$?
- A 6,500
 - B 650,000
 - C 1,100,000
 - D 11,000,000
29. What is the value of the expression $(2.4 \times 10^6)(3 \times 10^8)$?
- A 7.2×10^{48}
 - B 7.2×10^{14}
 - C 5.4×10^{14}
 - D 5.4×10^{48}

30. What is the value of $\frac{2.6 \times 10^5}{1.3 \times 10^2}$?
- A. 2×10^1
 - B. 2×10^2
 - C. 2×10^3
 - D. 2×10^7
31. What is the product of 0.03 and 2.5×10^8 ?
- A. 7.5×10^6
 - B. 7.5×10^8
 - C. 7.5×10^{10}
32. What is the product of 3.5×10^3 and 6×10^{-1} ?
- A. 2.1×10^3
 - B. 2.1×10^2
 - C. 2.1×10^{-3}
33. Which is equivalent to $(6.12 \times 10^7)(0.0000012)$?
- A. 7.344
 - B. 7.344×10^1
 - C. 7.344×10^2
 - D. 7.344×10^{13}
34. What is value of the expression $(0.007)(2 \times 10^5)$?
- A. 1.4×10^2
 - B. 1.4×10^3
 - C. 7×10^2
 - D. 7×10^3

35. Which value is equivalent to $(0.332)(1.4 \times 10^6)$?
- A. 4.648×10^{-5}
 - B. 4.648×10^{-1}
 - C. 4.648×10^2
 - D. 4.648×10^5
36. Which expression is equivalent to $(5 \times 10^9)(0.00035)$?
- A. 1.75×10^{-4}
 - B. 1.575×10^{-2}
 - C. 1.575×10^3
 - D. 1.75×10^6
37. Which value is equivalent to $(8.5 \times 10^3)(0.0001)$?
- A. 0.085
 - B. 0.85
 - C. 8.5
 - D. 85
38. What is the value of the expression $(0.0005)(2 \times 10^{-3})$?
- A. 1×10^{-6}
 - B. 1×10^9
 - C. 5×10^{-6}
 - D. 5×10^9
39. What is the quotient of 7.2×10^4 and 3×10^2 ?
- A. 2.4
 - B. 24
 - C. 240

40. What is the value of $(4.6 \times 10^5)(5.2 \times 10^{-2})$?
- A 23.92
 - B 2,392
 - C 23,920
41. Which expression is equivalent to $(3 \times 10^4)(4,000)$?
- A 1.2×10^7
 - B 1.2×10^8
 - C 1.2×10^{12}
42. What is the value of $\frac{(2.8 \times 10^8)}{(4 \times 10^{-2})}$?
- A 7×10^{10}
 - B 7×10^9
 - C 7×10^6
 - D 7×10^5
43. What is the value of the expression $\frac{3.5 \times 10^{-4}}{2 \times 10^8}$?
- A 1.5×10^{-12}
 - B 1.5×10^4
 - C 1.75×10^{-12}
 - D 1.75×10^4
44. Which expression is equivalent to $(5 \times 10^3)(0.006)$?
- A 3×10^1
 - B 3×10^4
 - C 9×10^1
 - D 9×10^4

45. What is the solution to $\frac{5 \times 10^3}{2.5 \times 10^{-4}}$?
- A 2×10^{-1}
 - B 1.25×10^{-1}
 - C 1.25×10^7
 - D 2×10^7
46. What is the solution to $(6.8 \times 10^{-6}) \div (2 \times 10^2)$?
- A 0.000034
 - B 0.000000034
 - C 340,000,000
47. Which expression is equivalent to $\frac{(3 \times 10^3)}{(5 \times 10^5)}$?
- A 6×10^{-3}
 - B 6×10^{-2}
 - C 6×10^2