

Practice exercise: Signed Numbers

Subtopic: Scientific Notation

- 1) Change to decimal notation: 6.3006×10^7
 - A) 630 006
 - B) 630 060 000
 - C) 6 300 600
 - D) 63 006 000

- 2) Change to decimal notation: 4.507×10^{-5}
 - A) 0.00004507
 - B) 0.000004507
 - C) 0.0004507
 - D) -450 700

- 3) Change to scientific notation: 0.000026619
 - A) 2.6619×10^{-5}
 - B) 2.6619×10^5
 - C) 2.6619×10^4
 - D) 2.6619×10^{-4}

- 4) Change to scientific notation: 0.000000070707
 - A) 7.0707×10^{-7}
 - B) 7.0707×10^{-8}
 - C) 7.0707×10^8
 - D) 7.0707×10^{-9}

- 5) Multiply: $(1.6 \times 10^{-6})(1.1 \times 10^{-8})$
 - A) 2.7×10^{14}
 - B) 1.76×10^{14}
 - C) 1.76×10^{-14}
 - D) 1.76×10^{-2}

6) Divide: $\frac{4 \times 10^5}{2 \times 10^{-3}}$

A) 2×10^2

B) 4×10^8

C) 2×10^8

D) 4×10^2

7) Divide: $\frac{5.72 \times 10^{-4}}{2.6 \times 10^{-5}}$

A) 4.4×10^{-9}

B) 4.4×10^1

C) 2.2×10^1

D) 2.2×10^{-9}

8) Multiply: $(9.3 \times 10^{-4})(5.7 \times 10^8)$

A) 1.67×10^4

B) 5.301×10^4

C) 15×10^{12}

D) 5.301×10^5

Answer Key

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1) D

2) A

3) A

4) B

5) C

6) C

7) C

8) D