

Name: _____

Date: _____ Score: _____

Converting Scientific Notation

Convert each number from scientific notation to standard form.

1) $4.04 \times 10^{-5} =$ _____ 2) $3855 \times 10^{-7} =$ _____

3) $6.1 \times 10^4 =$ _____ 4) $6.825 \times 10^{-4} =$ _____

5) $2.30 \times 10^4 =$ _____ 6) $1.0 \times 10^{-2} =$ _____

7) $4.50 \times 10^0 =$ _____ 8) $0.09 \times 10^{-1} =$ _____

9) $7.75 \times 10^{-1} =$ _____ 10) $4.563 \times 10^{-3} =$ _____

Convert each number from standard form to scientific notation.

11) 15,600 = _____ 12) 6,006,000 = _____

13) 0.080544 = _____ 14) 72,590 = _____

15) 52,427 = _____ 16) 46,978 = _____

17) 980 = _____ 18) 420,000,0 = _____

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Answers

1) $4.04 \times 10^{-5} = \underline{0.0000404}$ 2) $3855 \times 10^{-7} = \underline{0.0003855}$

3) $6.1 \times 10^4 = \underline{61,000}$ 4) $6.825 \times 10^{-4} = \underline{0.0006825}$

5) $2.30 \times 10^4 = \underline{23,000}$ 6) $1.0 \times 10^{-2} = \underline{0.010}$

7) $4.50 \times 10^0 = \underline{4.50}$ 8) $0.09 \times 10^{-1} = \underline{0.009}$

9) $7.75 \times 10^{-1} = \underline{0.775}$ 10) $4.563 \times 10^{-3} = \underline{0.004563}$

11) $15,600 = \underline{1.56 \times 10^4}$ 12) $6,006,000 = \underline{6.006 \times 10^6}$

13) $0.080544 = \underline{8.0544 \times 10^{-2}}$ 14) $72,590 = \underline{7.259 \times 10^4}$

15) $52,427 = \underline{5.2427 \times 10^4}$ 16) $46,978 = \underline{4.6978 \times 10^4}$

17) $980 = \underline{9.8 \times 10^2}$ 18) $420,000,0 = \underline{4.2 \times 10^6}$