

Scientific Notation

Write each in decimal notation.

1) $32.5 \times 10^2 =$

2) $6.275 \times 10^5 =$

3) $0.017 \times 10^{-2} =$

4) $1.037 \times 10^{-2} =$

5) $5.628 \times 10^3 =$

6) $56.28 \times 10^{-3} =$

7) $21.364 \times 10^{-1} =$

8) $28.36 \times 10^4 =$

9) $1.85 \times 10^{-3} =$

10) $28.63 \times 10^{-4} =$

Write each number in scientific notation.

11) $4820 =$

12) $58 =$

13) $36.57 =$

14) $41270 =$

15) $0.039 =$

16) $268.3 =$

17) $460000 =$

18) $48000 =$

19) $0.00378 =$

20) $876.235 =$

21) $0.028 =$

22) $211000 =$

23) $300 =$

24) $0.00375 =$

25) $368000 =$

26) $9580000 =$

Scientific Notation - solutions

Write each in decimal notation.

$$1) 32.5 \times 10^2 = \mathbf{3250}$$

$$2) 6.275 \times 10^5 = \mathbf{627500}$$

$$3) 0.017 \times 10^{-2} = \mathbf{0.0017}$$

$$4) 1.037 \times 10^{-2} = \mathbf{0.01037}$$

$$5) 5.628 \times 10^3 = \mathbf{5628}$$

$$6) 56.28 \times 10^{-3} = \mathbf{0.05628}$$

$$7) 21.364 \times 10^{-1} = \mathbf{2.1364}$$

$$8) 28.36 \times 10^4 = \mathbf{28360}$$

$$9) 1.85 \times 10^{-3} = \mathbf{0.00185}$$

$$10) 28.63 \times 10^{-4} = \mathbf{0.002863}$$

Write each number in scientific notation.

$$11) 4820 = \mathbf{4.82 \times 10^3}$$

$$12) 58 = \mathbf{5.8 \times 10^{-1}}$$

$$13) 365.7 = \mathbf{3.657 \times 10^2}$$

$$14) 41270 = \mathbf{4.1027 \times 10^5}$$

$$15) .039 = \mathbf{3.9 \times 10^{-2}}$$

$$16) 268.3 = \mathbf{2.683 \times 10^2}$$

$$17) 460000 = \mathbf{4.6 \times 10^5}$$

$$18) 48000 = \mathbf{4.8 \times 10^4}$$

$$19) .00378 = \mathbf{3.78 \times 10^{-3}}$$

$$20) 876.235 = \mathbf{8.76235 \times 10^{-2}}$$

$$21) 0.028 = \mathbf{2.8726 \times 10^{-2}}$$

$$22) 211000 = \mathbf{2.11 \times 10^5}$$

$$23) 300 = \mathbf{3.0 \times 10^2}$$

$$24) .00375 = \mathbf{3.75 \times 10^{-4}}$$

$$25) 368000 = \mathbf{3.68 \times 10^5}$$

$$26) 9580000 = \mathbf{9.58 \times 10^6}$$