

Scientific Notation

1) $10 \times 10 \times 10 \times 10$ _____

2) $10 \times 10 \times 10 \times 10 \times 10$ _____

3) $3 \times 10 \times 10 \times 10$ _____

4) $7 \times 10 \times 10 \times 10 \times 10$ _____

5) 1 000 000 000 000 _____

6) .0000000000000000002 _____

Please write the expanded number

7) 1×10^4 _____

8) 1×10 _____

9) 3×10^{-3} _____

10) 9×10^4 _____

11) 8.21×10 _____

12) 6.45×10^{-5} _____

Scientific

13) 3540000 _____

14) .00005470 _____

Standard to Scientific notation

$360 \rightarrow 3.6 \times 10^{\square}$

$457000 \rightarrow 4.57 \times 10^{\square}$

$0.0003 \rightarrow 3.0 \times 10^{\square}$

Scientific to standard

$$5.6 \times 10^5 =$$

$$5.6 \times 10^1 =$$

$$56 \times 10^1 =$$

$$560 \times 10^1 =$$

$$5600 \times 10^1 =$$

$$5.6 \times 10^5 = 560000$$

$$3.25 \times 10^{-3} =$$

1) 7.6×10^4

=

b) 9.15×10^{-3}

c) 0.47×10^7

d) 0.19×1000

e) 6×10^{-1}

f) 25.6×10^4

$$2) a) 495\ 000 = 4.95 \times 10^5$$

$$b) 672.5 = 6.725 \times 10^2$$

$$c) 0.06082 = 6.082 \times 10^{-2}$$

$$d) 0.000007 = 7 \times 10^{-6}$$

$$e) 29.06 = 2.906 \times 10^1$$

$$3) a) 3\ 120\ 000\ 000 =$$

$$b) 1\ 000\ 000 =$$

$$c) 0.00000047 =$$

$$d) 12.04 =$$

$$e) 74.500 =$$

$$f) 0.0075 =$$

$$4) \quad 298 \ 000 \text{ km} =$$

$$b) \quad 0. \ 000 \ 000 \ 08 =$$

$$c) \quad 0. \ 0 \ 406 =$$

$$5) \quad 4.1 \times 10^6 =$$

$$b) \quad 5.31 \times 10^9$$

$$c) \quad 9 \times 10^{-3}$$

$$d) \quad 4.03 \times 10^{-5} =$$