Scientific notation

360 → 3.6×10^{2}

457 000 → 4.57×10^{5}

0.0003 → 3.0×10^{-4}

$5.6 \times 10^5 = 560000$

$5.6 \times 10^1 = 56$

$56. \times 10^1 = 560$

$560 \times 10^1 = 5600$

$5600 \times 10^1 = 56000$

$5.6 \times 10^5 = 560\,000$

$3.25 \times 10^{-3} = 0.00325$

1) 7.6×10^4

$= 76\,000$

b) 9.15×10^{-3}

0.00915

c) 0.47×10^7

$47\,00000$

d) 0.19×1000

$1000 = 10^3$

190

e) 6×10^{-1}

0.6

f) 25.6×10^4

$256\,000$

2) a) 495 000 = 4.95×10^{5}

b) 672.5 = 6.725×10^{2}

c) 0.000 82 = 8.2×10^{-4}

d) 0.000 007 = 7×10^{-6}

e) 29.06 = 2.906×10^{1}

3) a) 3 120 000 000 = 3.12×10^{9}

b) 1 000 000 =

1×10^{6}

c) 0.000 000 47 = 4.7×10^{-7}

d) 12.04 = 1.204×10^{1}

e) 74.500 = 7.45×10^{1}

f) 0.0075 =

7.5×10^{-3}

4) 298 000 km = 2.98×10^5

b) 0.000 000 08 =

8×10^{-8}

c) 0.0406 =

4.06×10^{-2}

5) $4.1 \times 10^6 =$ 4100000

b) 5.31×10^9

5310000000

c) 9×10^{-3}

0.009

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

0.0000403 Quiz Next day