



SCIENTIFIC NOTATION

Name _____

Score _____

SN:38

Express in scientific notation.

- 1) A virus attacked 175,245 people in city A and 1,486,964 people in city B. How many people in all were affected?

- 2) The average diameter of a red blood cell is 0.000007m. Calculate the radius. (Use formula: Radius = Diameter/2)

- 3) A warehouse in the form of a cuboid measures 80m×40m×30m. Find the volume of the warehouse and express in mm^3 . ($V = l \times b \times h$). Also (1m=1000mm)

- 4) The diameter of the Sun is $1.4 \times 10^9 \text{m}$ and the diameter of the Earth is $1.2756 \times 10^7 \text{m}$. Compare the diameter of Earth with the diameter of Sun.



SCIENTIFIC NOTATION

Answer key

Name _____

Score _____

SN:38

Express in scientific notation.

- 1) A virus attacked 175,245 people in city A and 1,486,964 people in city B. How many people in all were affected?

$$\underline{1.662209 \times 10^6}$$

- 2) The average diameter of a red blood cell is 0.000007m. Calculate the radius. (Use formula: Radius = Diameter/2)

$$\underline{3.5 \times 10^{-6} \text{ m}}$$

- 3) A warehouse in the form of a cuboid measures 80m×40m×30m. Find the volume of the warehouse and express in mm^3 . ($V = l \times b \times h$). Also (1m=1000mm)

$$\underline{9.6 \times 10^7 \text{ mm}^3}$$

- 4) The diameter of the Sun is $1.4 \times 10^9 \text{ m}$ and the diameter of the Earth is $1.2756 \times 10^7 \text{ m}$. Compare the diameter of Earth with the diameter of Sun.

$$\frac{1.4 \times 10^9}{1.2756 \times 10^7} = \frac{1.4 \times 100}{1.2756}$$

The diameter of the sun is about 100 times the diameter of the earth.