



SCIENTIFIC NOTATION

Name _____

Score _____

SN:37

Express in scientific notation (Values given are approximate).

- 1) The height and radius of a cylinder are 140mm and 200mm respectively. Find the volume of the cylinder.
(Use formula $V = \frac{22}{7} r^2 h$)

- 2) The population of China is 1,352,600,000 and the US is 327,200,000. How many more people are living in China than the US.

- 3) The mass of Earth is 5.97×10^{24} kg and the mass of Moon is 7.35×10^{22} kg. What is the total mass?

- 4) The number of visitors to the US in 2018 and 2017 were 79,620,000 and 76,940,000 respectively. How many more visitors visited the US in 2018 than 2017?



SCIENTIFIC NOTATION

Answer key

Name _____

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SN:37

Express in scientific notation (Values given are approximate).

- 1) The height and radius of a cylinder are 140mm and 200mm respectively. Find the volume of the cylinder.
(Use formula $V = \frac{22}{7} r^2 h$)

$$\underline{1.76 \times 10^7 \text{ mm}^3}$$

- 2) The population of China is 1,352,600,000 and the US is 327,200,000. How many more people are living in China than the US.

$$\underline{1.0254 \times 10^9}$$

- 3) The mass of Earth is 5.97×10^{24} kg and the mass of Moon is 7.35×10^{22} kg. What is the total mass?

$$\underline{6.0435 \times 10^{24} \text{ kg}}$$

- 4) The number of visitors to the US in 2018 and 2017 were 79,620,000 and 76,940,000 respectively. How many more visitors visited the US in 2018 than 2017?

$$\underline{2.68 \times 10^6}$$