Standard Form

19 min
19 marks

1. Write 0.00362 in standard form.

Answer …..………………….....…

[1]

2. Work out $2.6 \times 10^{-3} + 9.1 \times 10^{-4}$.
Write your answer in standard form.

Answer …….…………...…………………

[2]

3. Write 0.00578

(a) in standard form,

Answer (a) ……………………
[1]

(b) correct to 2 significant figures,

Answer (b) ……………………
[1]

(c) correct to 2 decimal places.

Answer (c) ……………………
[1]

4. (a) (i) Write 15 583 correct to 2 significant figures.

Answer (a)(i) …………………
[1]

(ii) Write your answer to **part** (**a**)(**i**) in standard form.

Answer (a)(ii) …………………
[1]

(b) Write 3.718×10^{-3} as a decimal, correct to 4 decimal places.

Answer (b) ……………………..
[2]

5. The distance from Buenos Aires to Wellington is approximately 10 100 kilometres.
Write this number in standard form.

Answer ………………………………… km
[1]

6. Write 0.00656

(a) in standard form,

Answer (a) ……….…………

[1]

(b) correct to 2 significant figures,

Answer (b) ……….…………

[1]

(c) correct to 2 decimal places.

Answer (c) ……….…………

[1]

7.

Country	Area (km^2)
Brazil	8.51×10^6
Panama	7.71×10^4
Guyana	2.15×10^5
Colombia	1.14×10^6

The table above gives the areas of four South American countries, correct to 3 significant figures.

(a) List the countries in order of area, smallest to largest.

Answer (a) ………… < Guyana < ………… < …………

[1]

(b) Use a whole number to complete the statement in the answer space.

Answer (b) The area of Colombia is approximately ……… times the area of Guyana.

[2]

8.   (a)   Calculate $\dfrac{0.0763}{1.85 + 4.7 \times 8}$.

Answer (a) ………………………

[1]

   (b)   Write 0.0763 in standard form.

Answer (b) ………………………

[1]