

1 (a) Work out  $\frac{2 \times 10^{14}}{8 \times 10^9}$

Give your answer in standard form.

[2 marks]

---

---

---

---

Answer \_\_\_\_\_

1 (b)  $6200.07 = 6.2 \times 10^c + 7 \times 10^d$

Work out the values of  $c$  and  $d$ .

[2 marks]

---

---

$c =$  \_\_\_\_\_  $d =$  \_\_\_\_\_

Turn over for the next question

- 2 (a)** Work out  $2000 \times 70\,000$   
Give your answer in standard form.

**[2 marks]**

---

---

---

---

---

---

---

---

Answer \_\_\_\_\_

- 2 (b)** Work out  $\frac{1.8 \times 10^2}{3 \times 10^{-1}}$   
Give your answer as an ordinary number.

**[2 marks]**

---

---

---

---

---

---

---

---

Answer \_\_\_\_\_

**3**Circle the value of  $10^6$ **[1 mark]**

one hundred

one thousand

one million

one billion

- 4 Work out  $80\,000\,000 \div 200$   
Give your answer in standard form.

**[2 marks]**

---

---

---

---

---

---

Answer \_\_\_\_\_

;

Complete this statement.

[1 mark]

$$10^8 = \underline{\hspace{2cm}} \text{ million}$$

5 (a) Work out  $\frac{6.09 \times 10^{14}}{4.2 \times 10^9}$

Give your answer in standard form.

[2 marks]

---

---

---

Answer \_\_\_\_\_