

1  $\geq$   $<$   $>$   $=$   $\leq$

Choose one of the above symbols to make a correct statement in the answer space.

$$\frac{4}{9} = 0.444444\dots$$

Answer 0.4 .....  $<$   $\frac{4}{9}$  [1]

2 (a) Calculate

$$\frac{0.0763}{1.85 + 4.7 \times 8}$$

$$\begin{aligned} &= \frac{0.0763}{1.85 + 37.6} \\ &= \frac{0.0763}{39.45} \\ &= 0.001934093\dots \\ &\approx 0.00193 \end{aligned}$$

Answer(a) 0.00193 [1]

(b) Write 0.0763 in standard form.

$$0.0763 = 7.63 \times 10^{-2}$$

Answer(b)  $7.63 \times 10^{-2}$  [1]

3 How many glasses, each holding  $200 \text{ cm}^3$ , can be filled completely from a full 4.5 litre bottle of water?

$$\begin{aligned} 4.5 \text{ l} &= 4.5 \times 1000 \text{ ml} \\ &= 4500 \text{ ml} \end{aligned}$$

$$\begin{aligned} \frac{4500 \text{ ml}}{200 \text{ ml}} &= 22.5 \\ &\approx 22 \text{ glasses} \end{aligned}$$

Answer 22 [2]

For  
Examiner's  
Use