4 (a) Solve the inequality $4x + 3 \leqslant 31$

(2)

(b) Solve the inequality $1 < 2x + 3 < 21$

(2)

(c) Hence represent on the number line opposite, the set of values of x for which
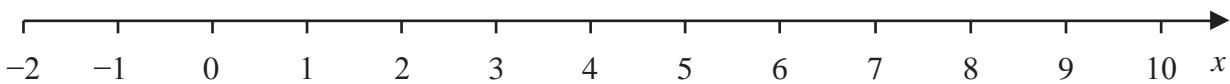
$$4x + 3 \leqslant 31 \quad \text{and} \quad 1 < 2x + 3 < 21$$

(2)

P 7 3 4 9 7 A 0 1 0 3 2

Question 4 continued

$$\xrightarrow{\hspace{1cm}} \begin{array}{ccccccccccccc} -2 & -1 & 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & x \end{array}$$

(Total for Question 4 is 6 marks)

Turn over ▶