

Past Paper Questions – Inequalities

(b) (i) Solve the inequality $4y + 3 \geq 1$

.....

(ii) Write down the smallest **integer** value of y which satisfies the inequality $4y + 3 \geq 1$

$y =$
(3)

8.

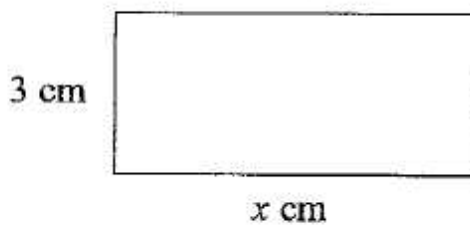


Diagram **NOT**
accurately drawn

The perimeter of this rectangle has to be more than 11 cm and less than 20 cm.

(i) Show that $5 < 2x < 14$

(ii) x is an **integer**. List all the possible values of x .

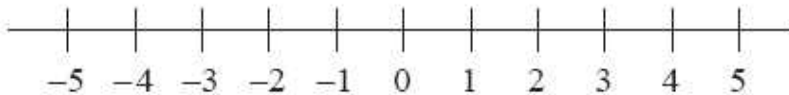
.....

8. (a) (i) Solve the inequality

$$5x - 7 < 2x - 1$$

.....

- (ii) On the number line, represent the solution set to part (i).



(3)

n is an integer such that $-4 \leq 2n < 3$.

- (b) Write down the possible values of n .

.....

(3)

5. n is a whole number such that

$$6 < 2n < 13$$

List all the possible values of n .

8. n is an integer such that $-5 < 2n \leq 6$
(a) List all the possible values of n .

.....

(3)

- (b) Solve the inequality

$$5 + x > 5x - 11$$

.....

(2)

(Total 5 marks)