

# 2.3

# Inequalities

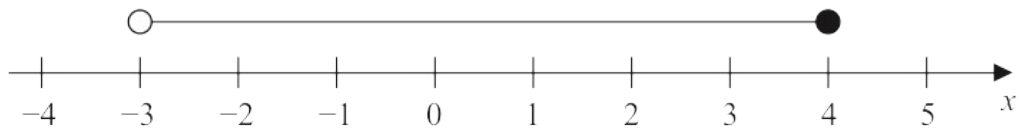
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(b) Write down the inequality shown on the number line.



.....  
(2)

(c) Solve the inequality  $2m + 13 \geq 8$

.....  
(2)

January 2018 2FR

19 (a) Solve the inequality  $4 - 8p > 11$

.....  
(2)

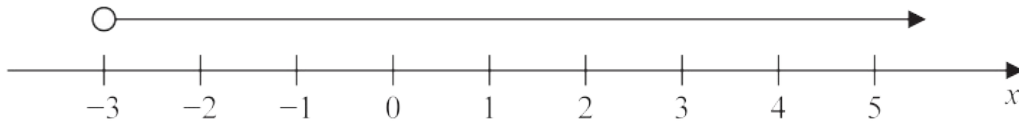
June 2018 2F

18

(b) Solve the inequality  $5x - 4 < 39$

.....  
(2)

17 (a)



Write down the inequality shown on the number line.

.....  
(1)

(b) Solve the inequality  $4y - 13 \leq y + 8$

.....  
(2)

January 2020 2F

23 (a) Solve the inequality  $2x + 7 > 4$

.....  
(2)

14

(c) Solve the inequality  $4x + 7 > 2$

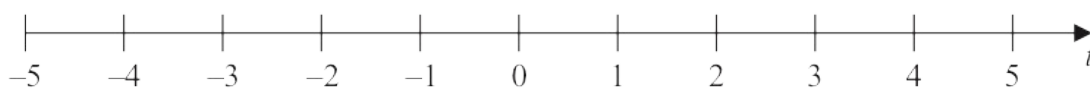
.....  
(2)

19

(c) (i) Solve the inequality  $7t - 8 < 2t + 7$

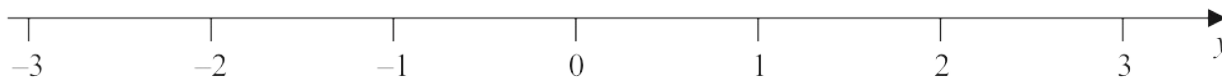
.....  
(2)

(ii) On the number line below, represent the solution set of the inequality solved in part (c)(i)



(1)

18 (a) On the number line, show the inequality  $-2 \leq y < 1$



(2)

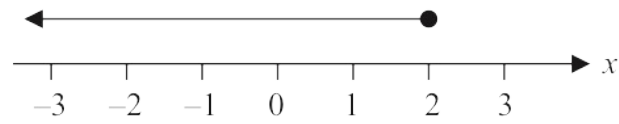
$n$  is an integer.

(b) Write down all the values of  $n$  that satisfy  $-3.4 < n \leq 2$

.....

(2)

22 (a)



Write down the inequality shown on the number line.

.....  
(1)

$$-4 \leq 2y < 6$$

$y$  is an integer.

(b) Write down all the possible values of  $y$ .

.....  
(2)

(c) Solve the inequality  $7t - 3 \leq 2t + 31$

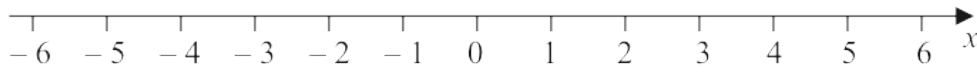
Show your working clearly.

.....  
(2)

21 (i) Solve the inequalities  $-7 \leq 2x - 3 < 5$

.....  
(3)

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



(2)

21 (a) Solve the inequality  $5x - 7 \leq 2$

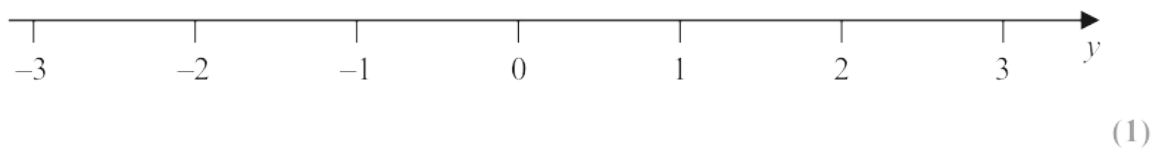
.....  
(2)

15  $n$  is an integer.

(a) Write down all the values of  $n$  such that  $-2 \leq n < 3$

.....  
(2)

(b) On the number line, represent the inequality  $y \leq 1$



20 (a) Solve  $4y + 5 > 12$

.....  
(2)

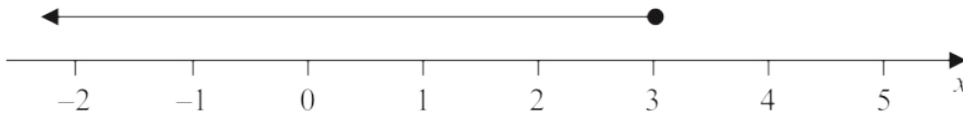
25 Solve the inequality  $3 - 4x \leq 11$

.....

January 2023 1F

25

(b) Write down the inequality shown on the number line



.....

(1)

(c) Solve the inequality  $7w + 6 > 12w + 14$

.....

(3)

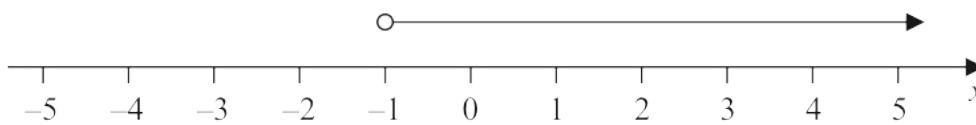
17  $-8 < 2y \leq 2$

$y$  is an integer.

(a) Find all the possible values of  $y$

.....  
(2)

(b) Write down the inequality shown on the number line.



.....  
(1)

23 (a) Solve  $9 - 4x > 17$

.....  
(2)

22 (a) Solve the inequality  $8x - 4 \geq 3x - 10$

.....  
(2)

12

Janya thinks of a whole number.

She calls her whole number  $w$

Janya writes down this information about her whole number.

$$w > 7 \quad \text{and} \quad w \leq 10$$

(d) Write down the possible values of  $w$

.....  
(2)