

Q1.

Solve $5x - 2 > 3x + 11$

.....

Answer

(Total 2 marks)

Q2.

Work out **all** the integers that satisfy the inequality $8 < 2n \leq 16$

.....

Answer

(Total 2 marks)

Q3.

(a) Expand and simplify $3(2x - 1) + 2(x - 3)$

.....

Answer

(2)

(b) Write down the whole numbers that satisfy $3 < 2n \leq 10$

.....

Answer

(2)

(c) Solve $4(3x - 5) = 22$

.....

$x =$

(3)

(Total 7 marks)

Q4.

(a) Solve $3(x - 2) = 21$

.....

$x =$

(3)

(b) Solve $8x - 7 > 6x + 12$

.....

Answer

(3)

(Total 6 marks)

Q5. Put the correct symbol in each box.

Choose from < > =

11×12	<input style="width: 40px; height: 30px;" type="text"/>	22×6
3^2	<input style="width: 40px; height: 30px;" type="text"/>	2^3
$\frac{10}{0.5}$	<input style="width: 40px; height: 30px;" type="text"/>	10

(Total 3 marks)

Q6.

$$10 < 5x \leq 35$$

List the possible **integer** values of x .

.....

.....

.....

.....

Answer

(Total 3 marks)

Q7.

$$\text{Solve } 20 + w < 3(w + 2)$$

.....

.....

.....

.....

Answer

(Total 3 marks)

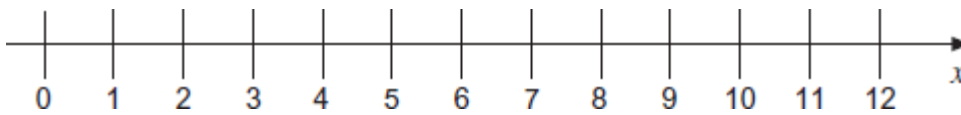
Q8.(a) Solve $5x - 11 \geq 29$

.....

Answer

(2)

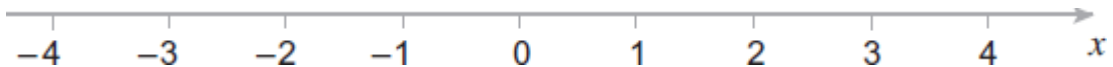
(b) Show the solution of $3x < 12$ on the number line.



(2)

(Total 4 marks)

Q9.(a) Show the inequality $x > -2$ on the number line.



(1)

(b) Solve the inequality $3x + 5 \leq 11$

.....

Answer

(2)
(Total 3 marks)

Q10.

Solve $3x - 5 > 13$

.....

Answer

(Total 2 marks)

Q11.

$6 \leq 2n$

List the possible integer values of n .

.....

Answer

(Total 3 marks)

Q12.

Solve $5d - 3 > d + 17$

.....

Answer

(Total 2 marks)

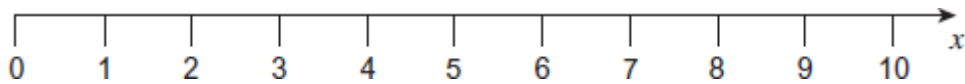
Q13.(a) Solve $4x - 7 \leq 13$

.....

Answer

(2)

(b) Show $3 < x \leq 8$ on the number line.



(2)
 (Total 4 marks)

Q14.

Solve $2n + 1 \leq 15$

.....

Answer

(Total 2 marks)

Q15.

(a) Solve $-17 \leq 4x + 3 < 11$

.....

.....
.....
.....

Answer

(2)

- (b) Work out the product of all the **integer** solutions to $-17 \leq 4x + 3 < 11$
You **must** show your working.

.....
.....

Answer

(2)

(Total 4 marks)