12. $-2 \leqslant x < 3$

x is an integer.

Write down all the possible values of x.

8. $2x^2 = 72$

(a) Find a value of x.

.....

(b) Solve $4x + 1 = 2x + 12$

$x =$ .....

(2)

(b) Solve $4(2x - 3) = 5x + 7$

$x =$ .....

(3)

(b) $-1 \leqslant n < 4$

n is an integer.
Write down all the possible values of n.

8. (a) Solve $13x + 1 = 11x + 8$

12. (a) $5x^3 = 40$

Find the value of x.

$x =$ .....

(2)

13. $-2 < n \leqslant 4$

n is an integer.

(a) Write down all the possible values of n.

.....

(b) Solve the inequality $6x - 3 < 9$

15. k is an integer such that $-1 \leqslant k < 3$

(a) List all the possible values of k.

.....

(b) Solve the inequality $6y \geqslant y + 10$

7. (a) Solve $3(2t - 4) = 2t + 12$

(b) Solve $\dfrac{29-x}{4} = x+5$

10 m is an integer such that $-2 < m \leqslant 3$

(a) Write down all the possible values of m.

.....

(b) Solve $7x - 9 < 3x + 4$

.....

(b) Solve $\dfrac{5w - 8}{3} = 4w + 2$

15. (a) List all the possible integer values of n such that

$$-2 \leqslant n < 3$$

.....

(2)

(b) Solve the inequality

$$4p - 8 < 7 - p$$

11. (a) Solve $6x - 7 = 38$

$x =$ .....

(b) Solve $4(5y - 2) = 40$

$y =$ .....

15. $-4 < n \leqslant 1$

n is an integer.

(a) Write down all the possible values of n.

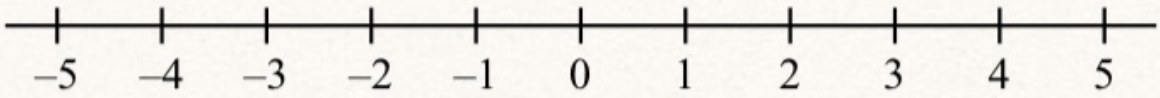
.....

(b) Solve $3x - 2 > x + 7$

.....

15. (a) $x > -3$

Show this inequality on the number line.



(b) Solve the inequality $7y + 36 \leqslant 8$

(2)

(b) Solve $4(2x - 1) = 3x - 19$

$x =$ .....

(3)

(c) Solve $\frac{y+4}{5} = 30$

(2)

(b) Solve $4(2x - 1) = 3x - 19$

$x =$ .....

(3)

(c) Solve $\frac{y+4}{5} = 30$

4. (a) Expand $4(x - 3)$

.....

(1)

(b) Solve $4t + 1 = 19$

$t =$ .....

(2)

(Total 3 marks)