

Algebra - Inequalities

Q1

$$-4 < n \leq 1$$

n is an integer.

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

.....
(2)

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

.....
(2)

Q2

k is an integer such that $-1 \leq k < 3$

(a) List all the possible values of k .

.....
(2)

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

.....
(2)

Algebra - Inequalities

Q1

$$-4 < n \leq 1$$

n is an integer.

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

$$-3, -2, -1, 0, 1$$

(2)

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

$$3x - x > +7 + 2$$

$$2x > 9$$

$$x > \frac{9}{2}$$

$$x > 4\frac{1}{2}$$

$$x > 4\frac{1}{2}$$

(2)

Q2

k is an integer such that $-1 \leq k < 3$

(a) List all the possible values of k .

$$-1, 0, 1, 2$$

(2)

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

$$6y - y \geq +10$$

$$5y \geq 10$$

$$y \geq \frac{10}{5}$$

$$y \geq 2$$

$$y \geq 2$$

(2)