1. Complete the diagrams and list all the possible value of x in the table below.

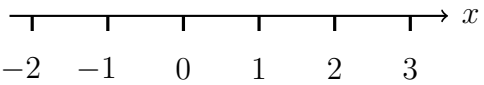
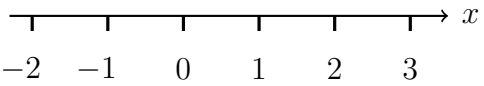
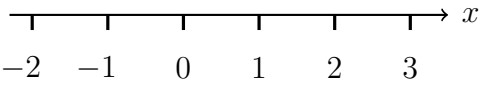
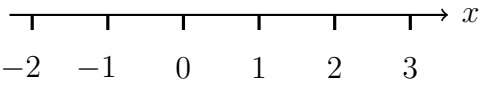
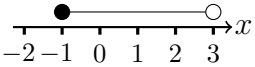
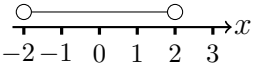
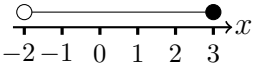
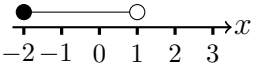
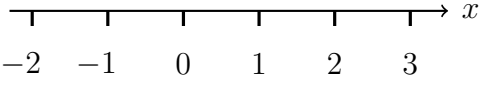
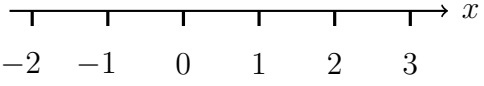
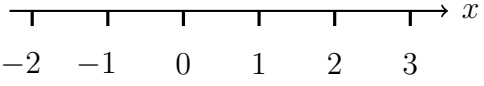
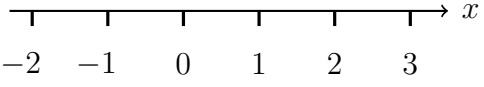
Complete the inequality diagram	algebra	List all the possible values of x
	$-1 \leq x < 3$	. . . . .
	$-2 < x < 2$	. . . . .
	$-2 < x \leq 3$	. . . . .
	$-2 \leq x < 1$	. . . . .

diagram	algebra	values of x	diagram	algebra	values of x
	$-1 \leq x < 3$	-1, 0, 1, 2		$-2 < x < 2$	-1, 0, 1
	$-2 < x \leq 3$	-1, 0, 1, 2, 3		$-2 \leq x < 1$	-2, -1, 0

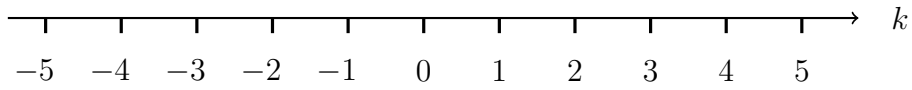
1. Complete the diagrams and list all the possible value of x in the table below.

Complete the inequality diagram	algebra	List all the possible values of x
	$-1 \leq x < 3$	. . . . .
	$-2 < x < 2$	. . . . .
	$-2 < x \leq 3$	. . . . .
	$-2 \leq x < 1$	. . . . .

2. $-3 < k < 1$

k is an integer

(a) Show this inequality on the number line



(b) Write down all the possible values of k. . . . . .

3. n is an integer such that $-3 \leq n < 0$

List all the possible values of n.

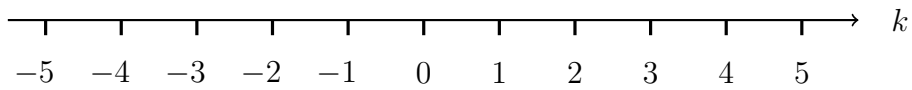
. . . . . .

inequality (3) answers Q2 -2, -1, 0 Q3 -3, -2, -1

2. $-3 < k < 1$

k is an integer

(a) Show this inequality on the number line



(b) Write down all the possible values of k. . . . . .

3. n is an integer such that $-3 \leq n < 0$

List all the possible values of n.

. . . . . .