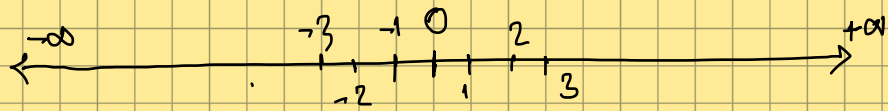


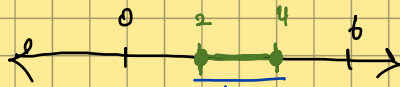
Intervals :-

number line



•
] [
≤ ≥

[2, 4]



$$\{2n \in \mathbb{Z} : 2 \leq n \leq 4\}$$

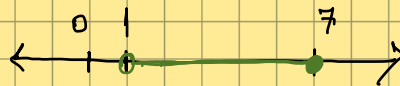
$$2n = \{4, 6, 8\} \quad 2, 3, 4$$

$$\{n \in \mathbb{R} : 2 \leq n \leq 4\}$$

$\{2, \dots, 4\}$

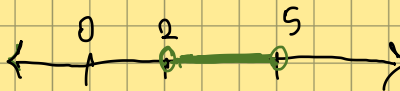
○
()
< >

(1, 7]



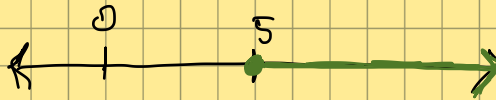
$$\{n \in \mathbb{R} : 1 < n \leq 7\}$$

(2, 5)



$$\{n \in \mathbb{R} : 2 < n < 5\}$$

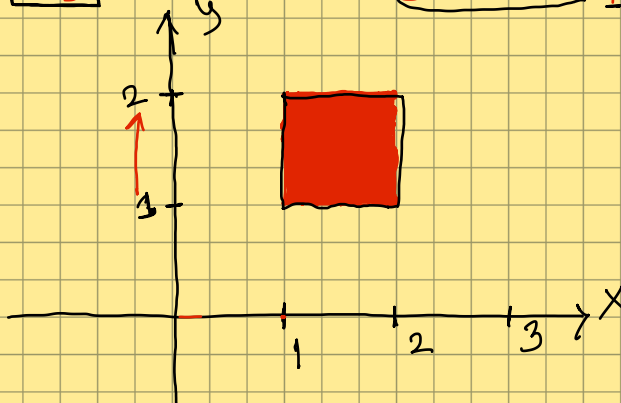
[5, +∞)



$$\{n \in \mathbb{R} : 5 \leq n\}$$

Exercise, 1.1

$$39. A = \{(x, y) : x \in [1, 2], y \in [1, 2]\}$$



$$A = \{(1, 1), (1, 1.1), (1, 1.3), (1, 2), (1.1, 1), (1.1, 1.1), (1.1, 1.3), (1.2, 1), \dots, (1.2, 1.5), \dots, (1.2, 2), (1.3, 1), \dots, (1.3, 1.5), \dots, (1.3, 2)\}$$

