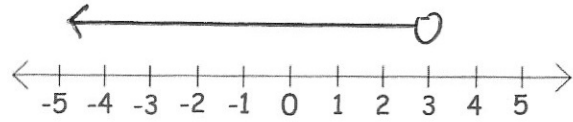


Solve $4x - 1 < 11$

$$4x < 12$$

$$x < 3$$

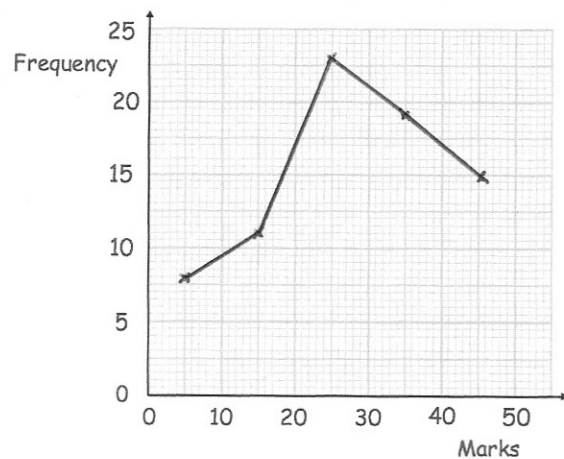
Represent the answer on the number line



The table below shows information about the number of marks scored in a test by a group of students

Marks	Frequency
$0 < m \leq 10$	8
$10 < m \leq 20$	11
$20 < m \leq 30$	23
$30 < m \leq 40$	19
$40 < m \leq 50$	15

Draw a frequency polygon for this information.



Solve the simultaneous equations

$$2x + y = 21 \quad x = 2$$

$$x - 2y = 8$$

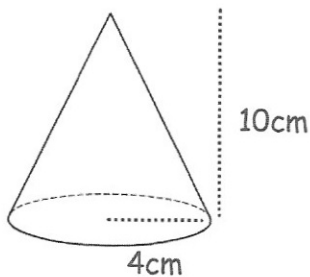
$$\underline{4x + 2y = 42} \quad \text{add}$$

$$5x = 50$$

$$x = 10$$

$$10 - 2y = 8 \quad x = 10$$

$$y = 1 \quad y = 1$$



Calculate the volume of the cone.

$$\frac{1}{3} \pi r^2 h$$

$$\frac{1}{3} \times \pi \times 4^2 \times 10$$

$$= 167.55 \text{ cm}^3$$