

Estimate  $\sqrt[4]{5000}$ 

Approx 8.3 to 8.5

Solve, giving your answers to one decimal place.

$$x^2 - x - 8 = 0$$

$$x^2 - 8 = x$$

$$a=1 \quad b=-1 \quad c=-8$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x = \frac{1 \pm \sqrt{1 - 4(1)(-8)}}{2}$$

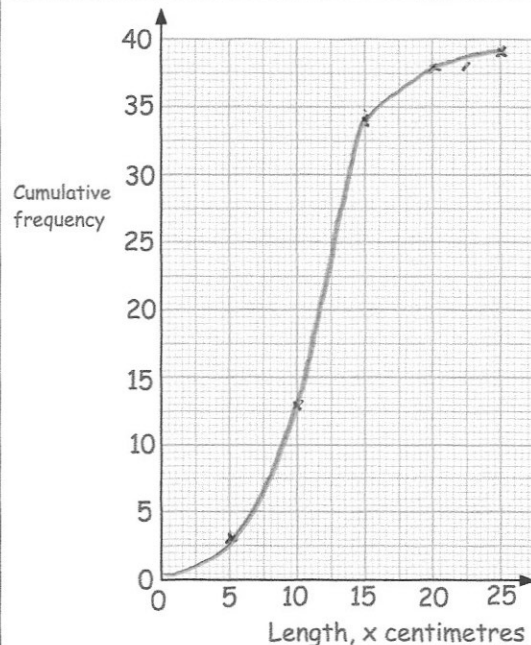
$$x = \frac{1 \pm \sqrt{33}}{2}$$

$$x = -2.4 \quad \text{or} \quad x = 3.4$$

The table shows information about the length of fish caught in a lake.

Length, x cm	Frequency	cf
$0 < c \leq 5$	3	3
$5 < c \leq 10$	10	13
$10 < c \leq 15$	21	34
$15 < c \leq 20$	4	38
$20 < c \leq 25$	1	39

Draw a cumulative frequency graph for this information.



Arrange the following numbers in order, smallest to largest. (non-calculator)

$$5\sqrt{3} \quad 3\sqrt{10} \quad 2\sqrt{22} \quad 4\sqrt{5}$$

$$\sqrt{25} \times \sqrt{3} \quad \sqrt{9} \times \sqrt{10} \quad \sqrt{4} \times \sqrt{22} \quad \sqrt{16} \times \sqrt{5}$$

$$\sqrt{75} \quad \sqrt{90} \quad \sqrt{88} \quad \sqrt{80}$$

$$5\sqrt{3}, 4\sqrt{5}, 2\sqrt{22}, 3\sqrt{10}$$