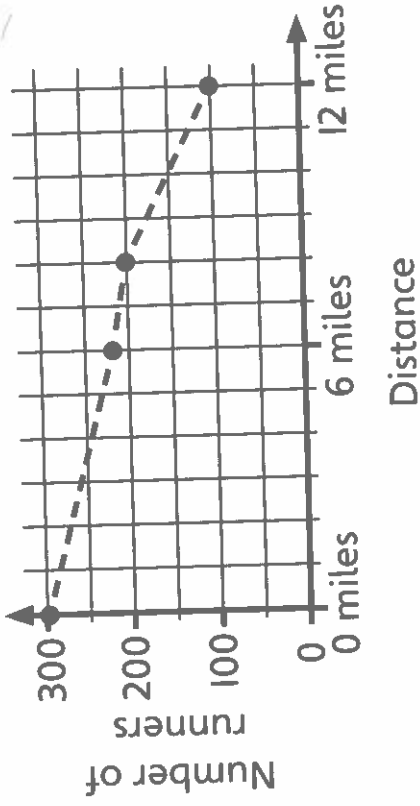




- 4 300 runners started a 12 mile race.



- a) What fraction of the runners completed the race? $\frac{\boxed{}}{\boxed{}}$
- b) What percentage of the runners completed fewer than 6 miles? $\boxed{}\%$
- c) Estimate how many runners completed at least 75% of the race? $\boxed{}$

Reflect

Give tips for how to read a line graph accurately.

Constructing line graphs

- 1 Use the information in the table to complete the conversion graph.

Feet	0	2	3	4
Inches	0	24	36	48

Now use the graph to fill in the missing information.

1 foot = inches

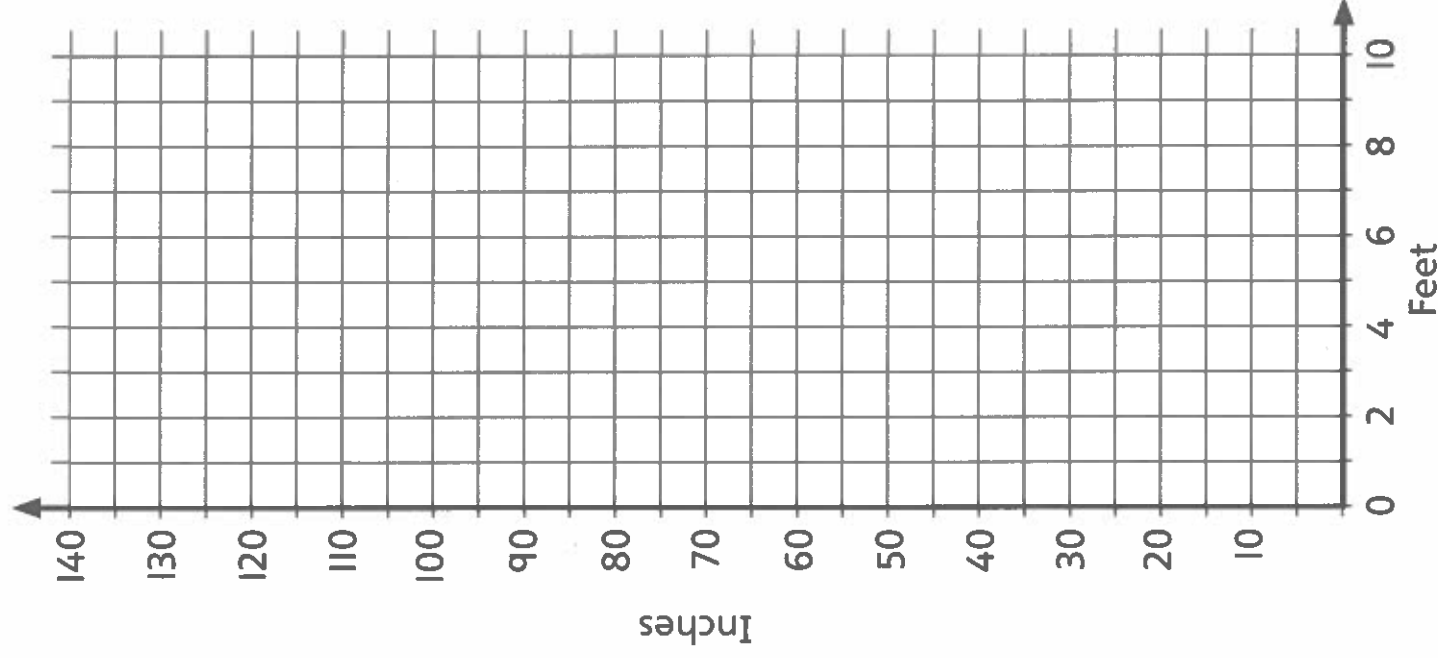
10 feet = inches

$3\frac{1}{2}$ feet = inches

$5\frac{1}{4}$ feet = inches

30 inches = feet

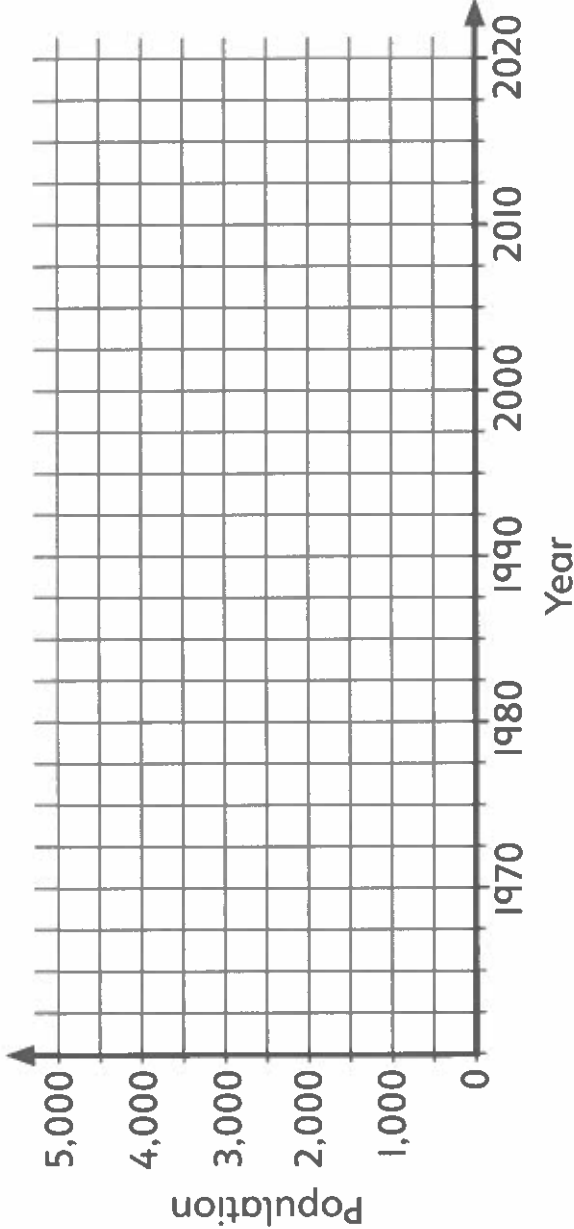
100 inches = feet



2 These figures show the number of people living in a village over time.

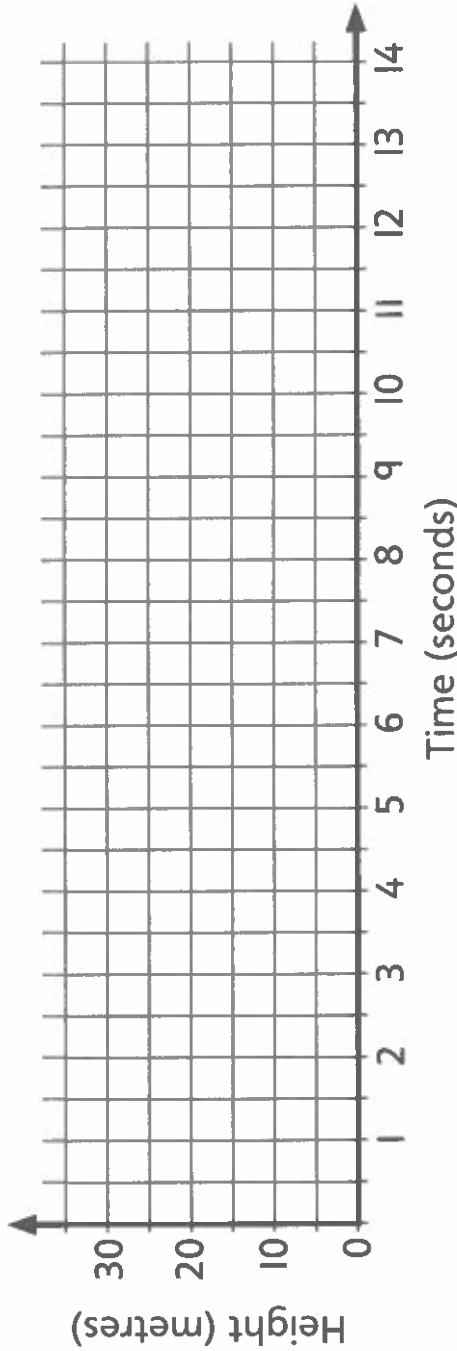
Year	1970	1980	1990	2000	2010	2020
Population	800	1,100	1,500	2,300	3,400	

Use this information to draw a line graph of the population and predict the population in 2020.



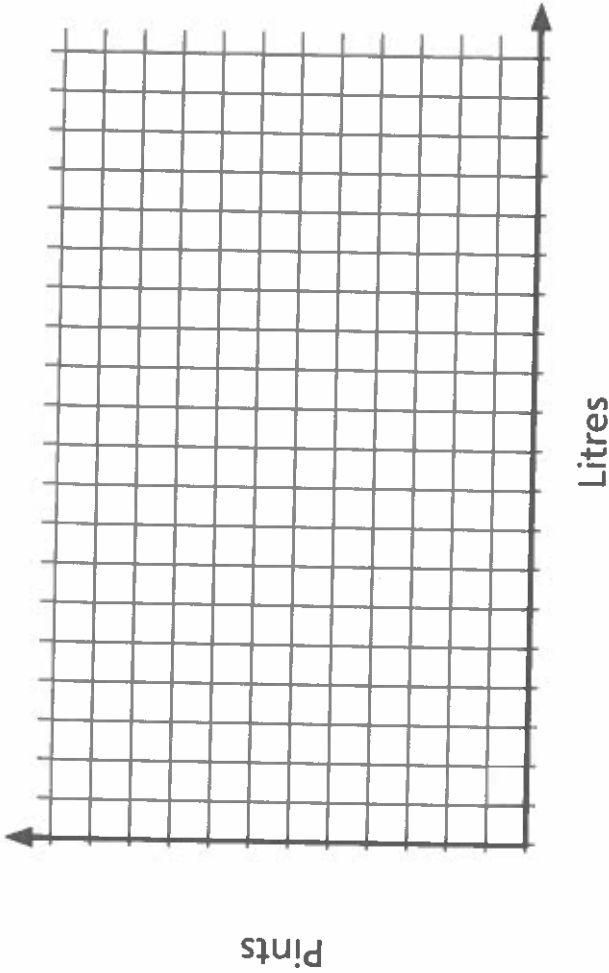
3 These figures show the flight of a firework. Complete the graph from the information, and predict when the firework will land.

Time in seconds	0	2	4	6	8	10	
Height in metres	0	20	30	35	28	15	0



4 Complete the graph to show the conversion between litres and pints.

Litres	100	200	300	400	500
Pints	176	354	530		



Use the graph to complete the following conversions.

Pints	100		25	
Litres		150		10

Reflect

Explain how you would draw a line graph to convert from metres to kilometres.

