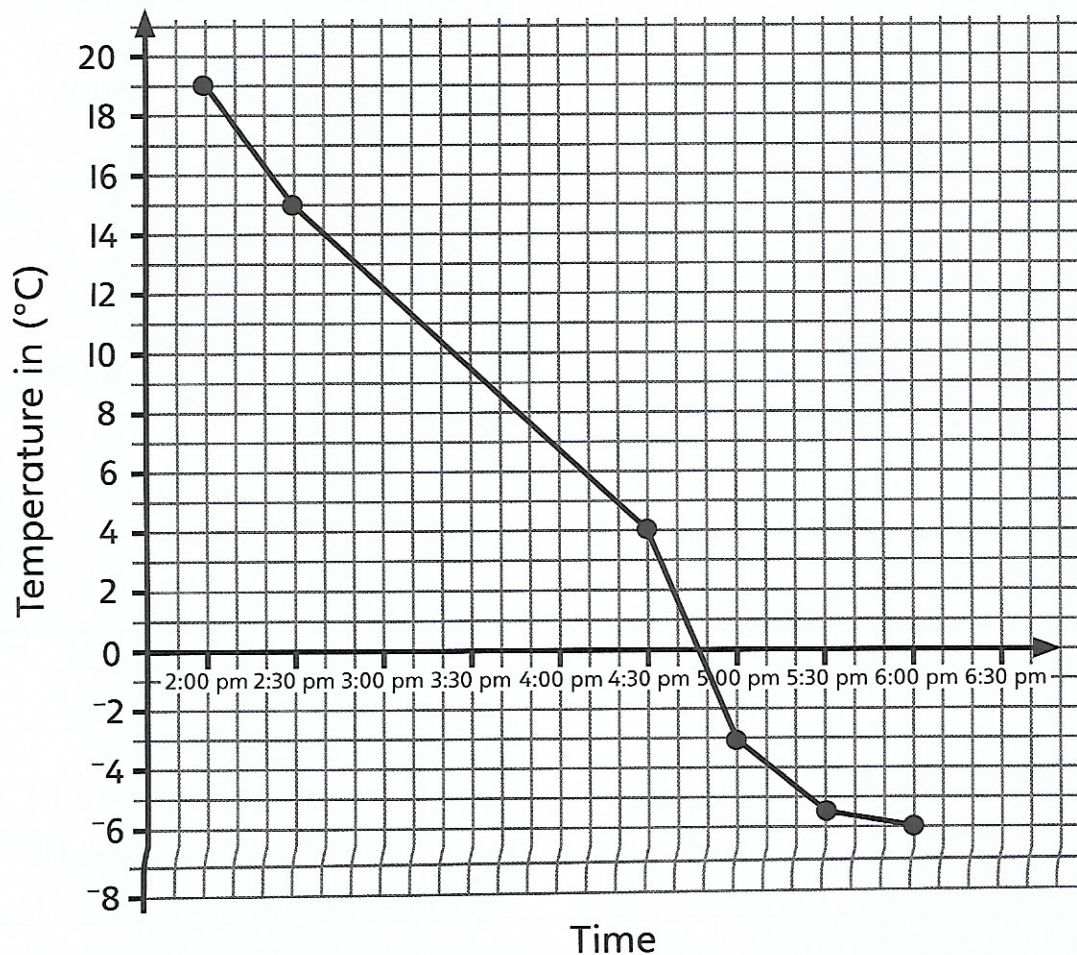


# Interpreting line graphs

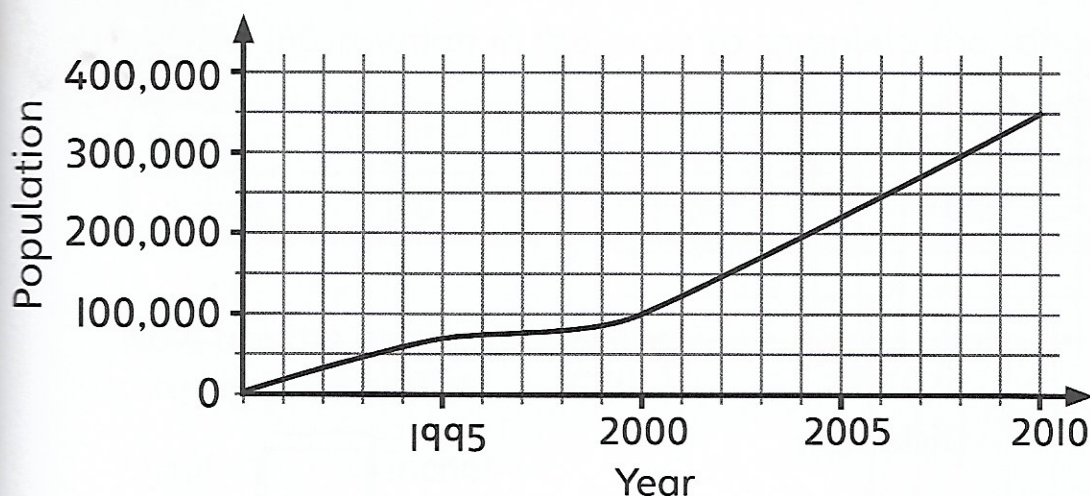
- I** The graph shows how the temperature of some tomato sauce cools in the freezer.



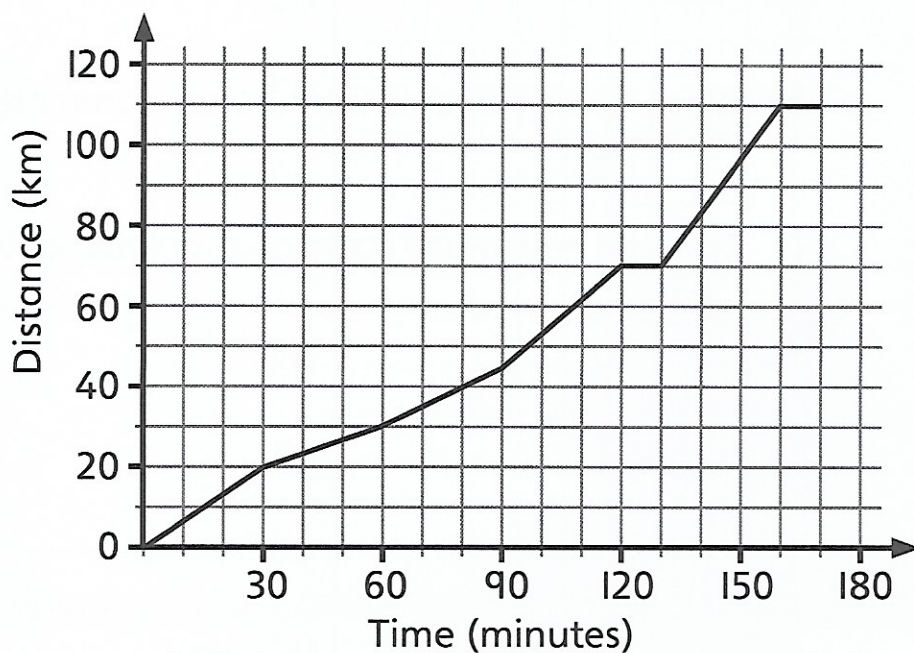
- a) What temperature is the tomato sauce at the following times?
- 2:30 pm  °C
- 5 pm  °C
- b) How much does the temperature decrease between 2 pm and 5:30 pm?
- It decreases by  °C.
- c) At what time is the temperature of the tomato sauce 0 °C?
- :  pm
- d) Estimate the temperature of the sauce at 5:45 pm.  °C.



- 2 Use the graph to estimate the population in each year.

1995: 2005: 

- 3 This graph shows the distance and time for a cyclist travelling in a road race.



a) How far did the cyclist race?  km

b) Complete the following sentences.

The cyclist slowed to climb a steep hill between  minutes and  minutes.

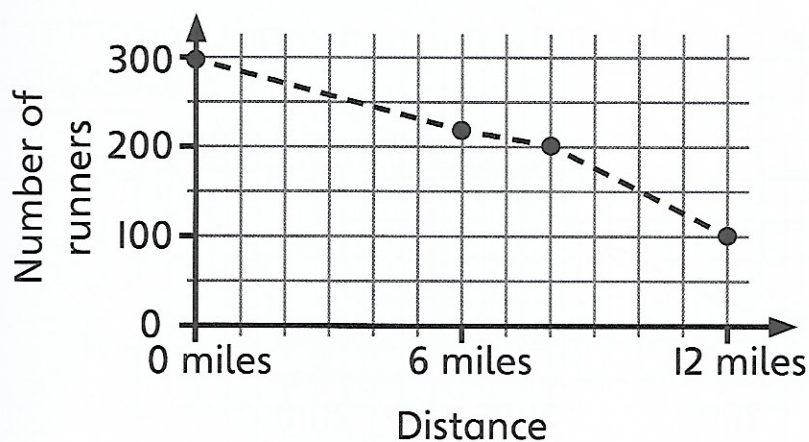
The cyclist rested for  minutes after  minutes of racing.

After  minutes the cyclist had completed half the distance.

The cyclist raced most quickly between  minutes and  minutes.

CHALLENGE

- 4 300 runners started a 12 mile race.



- a) What fraction of the runners completed the race?  $\frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}}$
- b) What percentage of the runners completed fewer than 6 miles?

$\boxed{\phantom{000}}\%$

- c) Estimate how many runners completed at least 75% of the race?  $\boxed{\phantom{000}}$



## Reflect

Give tips for how to read a line graph accurately.




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