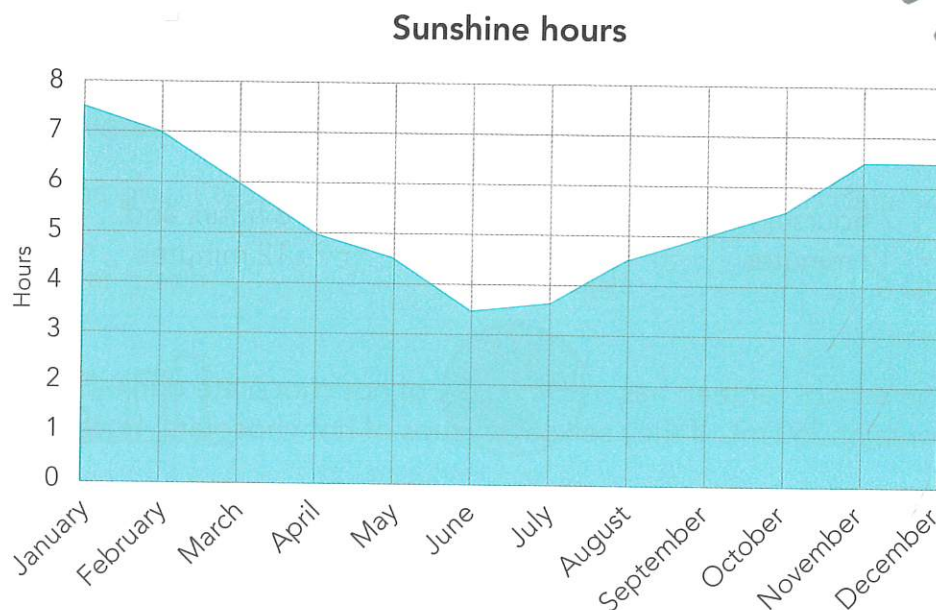
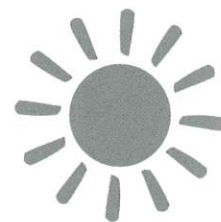




Practice 5

- 1 The graph below shows Auckland's average number of sunshine hours per day for each month.



- a In which months did the average sunshine hours drop below 4 hours?
- May, June, July and August June and July
 July and August Between April and September
- b Next year, most days in Auckland will have less than 6 hours of sunshine.
- Agree Disagree Can't tell for sure

Explain your answer.

- 2 a Only 20% of ginger cats are female. If there are about 24 000 ginger cats in New Zealand, how many of these would you expect to be female? _____

- b A cat sleeps for 16 hours a day. For what fraction of the day is it awake? _____

- c There are about 1.134 million cats in New Zealand. Write this number using numerals only. _____



- 3 a A jam recipe uses a ratio of $1\frac{1}{2}$ cups of sugar for every cup of berries. Tia has 5 cups of berries.

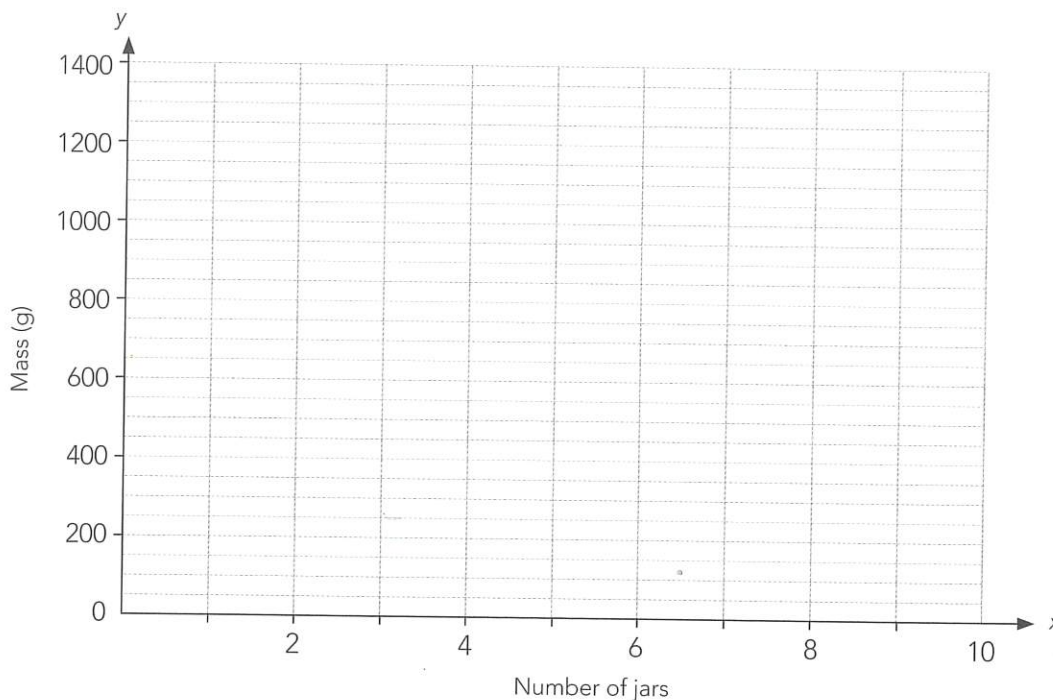
How many cups of sugar should she use to make jam? _____ cups

The table shows the mass of berries needed for the number of jars of jam.

Jars	Mass of berries (g)
1	150
2	300
4	600
8	1200



- b Plot these points on the graph below and draw a line through them. Extend your line to the edge of the graph in both directions.



- c Mark the point on the line where $x = 7$ and explain what this point shows.

- d Berries cost \$5.99 for a 125 g punnet. How much would 1 kg of berries cost?

\$ _____

- e A 1.5 kg bag of sugar usually sells for \$2.80. The supermarket has reduced the price by 15%. Calculate the reduced price for a 1.5 kg bag of sugar.

\$ _____