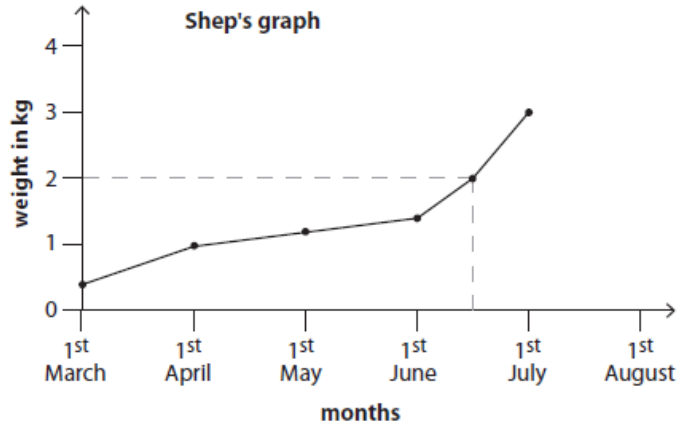


Solve comparison, sum and difference problems using information presented in graphs

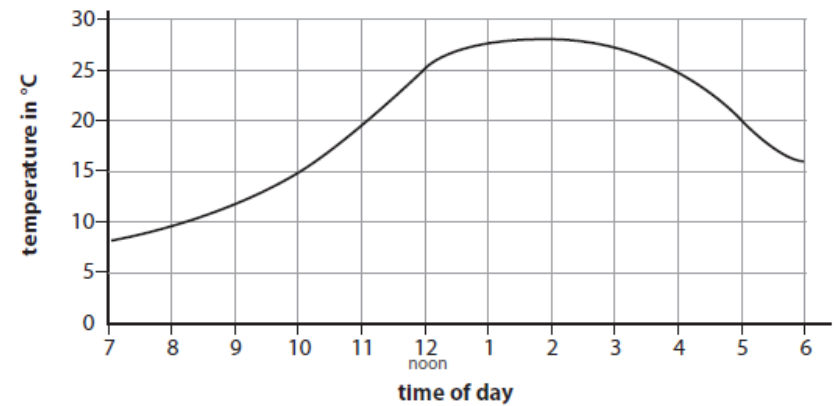
- 1 Shep, the puppy, was born on the 1st March. He was weighed on the 1st March, 1st May, 1st June, 1st July and 1st August. The graph below shows his weight.



- a Estimate Shep's weight at birth. kg
- b On the 1st August, Shep's weight was 3.5 kg. Complete the line graph to show this information.
- c Estimate how much Shep's weight increased from the 1st April to the 1st July. kg
- d Estimate how many grams Shep's weight increased from the 1st May to the 1st June. g
- e Is the statement below correct?

The graph shows that Shep weighed exactly 2 kg on the 15th June. Explain your answer.

- 2 The graph shows the temperature on the 12th August.



- a Estimate the temperature at 2 pm. °C
- b At what time does the temperature reach 15°C?
- c For how many hours is the temperature 25°C or above?
- d Estimate the temperature difference between the coolest and hottest part of the day, as shown on the graph. °C
- e Draw a second line on the graph above, which shows the temperatures for the 17th August.
- | temperature on the 17th August | | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|-------|
| time | 07:00 | 09:00 | 11:00 | 13:00 | 15:00 | 17:00 |
| temperature in °C | 6 | 11 | 17 | 25 | 25 | 19 |
- f What do you think the difference in temperature is at 4 pm on the 12th August and at 4 pm on the 17th August? °C