



- 1) a) 9:00 = 8km/hr
14:00 = 15km/hr
difference = 7km/hr
- b) 08:00 to 13:00 = 5 hours
- c) 9 km/hr – 5km/hr = 4km/hr
- d) 12:45
- 2) a) sunflower 1 = 96cm
sunflower 2 = 90cm
difference = 6cm
- b) sunflower 1 = 65cm
sunflower 2 = 62cm
- c) week 6 = 10cm difference
- d) sunflower 1: 90cm – 71cm = 19cm
growth of sunflower 2: 80cm – 67cm = 13cm
Sunflower 1 grew the most, growing 6cm more than sunflower 2.



- 1) a) True. Coffee started with the higher temperature of 84°C and ended with the higher temperature of 25°C.
- b) False. At approximately 1½ minutes and 12 minutes, the temperatures of the two drinks was the same.
- c) True. This difference occurred on minute 5.
- d) True. The coffee dropped by 59°C and the tea dropped by 49°C.
- e) False. It took the coffee 4 minutes to reach 45°C and it took the tea approximately 5½ minutes to reach 45°C. Therefore, the difference is more than 1 minute.
- f) False.
53°C – 32°C = 21°C



- 1) a) This line graph does not match the description for the following reasons:
- If the balloon had been anchored to the ground before 9:00am, its height in metres at 8:00am would have been 0m, not 120m.
- If the balloon rose gradually into the air, the graph would have shown its height increasing, not decreasing.
- If the balloon returned to the ground after 6 hours, the graph would have shown its height then as 0m.
- b) This line graph does not match the description because it shows that the temperature increased again after 14:00 instead of gradually cooling and remaining at a steady, lower temperature.
- c) This line graph does match the description because the water level in the water butt decreases from 8:00 as it is used to water the plants at the garden centre over the day but at 14:00 the water level begins to increase again as water is added to the water butt.
- 2) Descriptions and line graphs will vary. Accept answers where only one of the descriptions is a correct match to the line graph drawn by the child.