Year 5 Statistics Challenge Cards

1

Draw a line graph to represent this table of data:

Time	Temperature in °C
14:00	5
15:00	3
16:00	0.5
17:00	-1.5
18:00	-2.5
19:00	-3

1. What was the temperature at 5 p.m.?

2. What was the difference in temperature between 4 p.m. and 6 p.m.?

3. At approximately what time do you think the temperature was zero degrees Celsius?

Year 5 Statistics Challenge Cards

2

Draw a line graph to represent this table of data:

Year	Town Population (in thousands)
1970	15
1975	18
1980	24
1985	25
1990	30
1995	36

1. What was the population of the town in 1985?

2. How much did the population grow between 1980 and 1995?

3. In which year was the population double what it was in 1970?

Year 5 Statistics Challenge Cards

3

Draw a double line graph to represent this table of data:

Month	Cars Sold	
	Amazing Cars	A1 Cars
June	550	600
July	750	450
August	1000	700
September	800	1000
October	850	900
November	900	1000

1. How many more cars did Amazing Cars sell than A1 cars in August?

2. In which month did each company have their biggest increase in sales from the previous month?

3. Which car company sold the most cars from June to November? How many more cars did they sell?

Year 5 Statistics Challenge Cards

4

Use the timetable to answer the questions.

Bus Timetable			
Greenford	08:15	08:45	09:00
Highdale	08:25	08:55	09:10
Church Lane	08:28	08:57	09:15
School Way	08:35		09:20
Clover Close	08:42	09:05	09:26
Mayfield	08:55	09:15	
Pool Park	09:15	09:30	09:50

1. On the 08:45 bus from Greenford, how long does it take to travel from Highdale to Mayfield?

2. Can you travel to School Way on the 09:00 bus from Greenford?

3. Which bus takes the shortest time to travel from Greenford to Pool Park?

Year 5 Statistics Challenge Cards **Answers**

1	2
1. −1.5°C 2. 3°C 3. Quarter past four in the afternoon	1. 25 000 2. 12 000 3. 1990
3	**4**
1. 300 2. Amazing Cars: August, A1 Cars: September 3. Amazing Cars sold 4850 cars which is 200 more cars than A1 Cars.	1. 20 minutes 2. Yes 3. The 08:45 journey is the shortest at 45 minutes.

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