

Varied Fluency

Step 1: Read and Interpret Line Graphs

National Curriculum Objectives:

Mathematics Year 5: (5S2) [Solve comparison, sum and difference problems using information presented in a line graph](#)

Differentiation:

Developing Questions to support reading and interpreting line graphs showing 1 data set using scales in increments of 1 or 2, where all increments are shown.

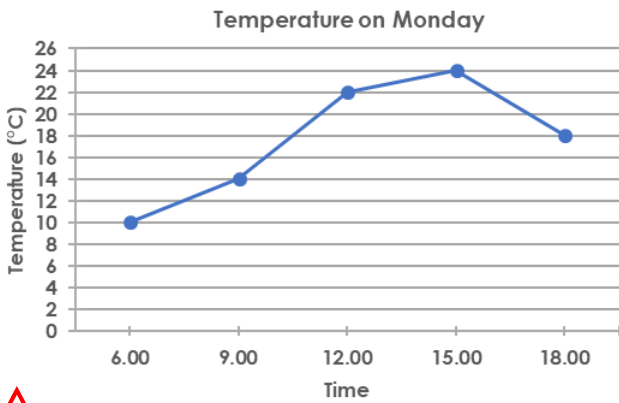
Expected Questions to support reading and interpreting line graphs showing up to 2 data sets using any scale where all increments are shown.

Greater Depth Questions to support reading and interpreting line graphs showing up to 2 data sets using any scales where some increments are missing.

More [Year 5 Statistics](#) resources.

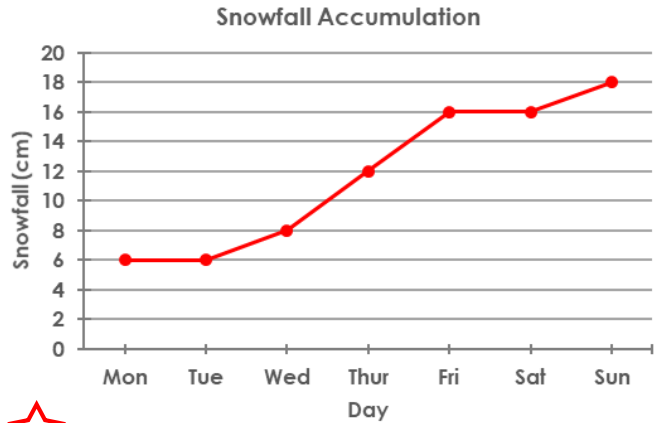
Did you like this resource? Don't forget to [review](#) it on our website.

1a. What were the highest and lowest temperatures recorded?



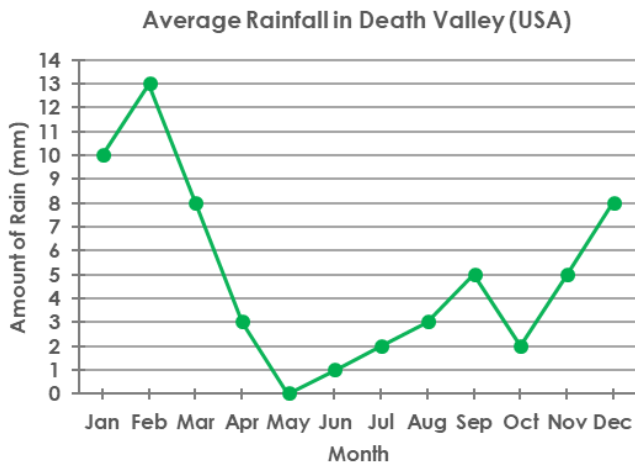
VF

1b. How much snow fell between Friday and Saturday?



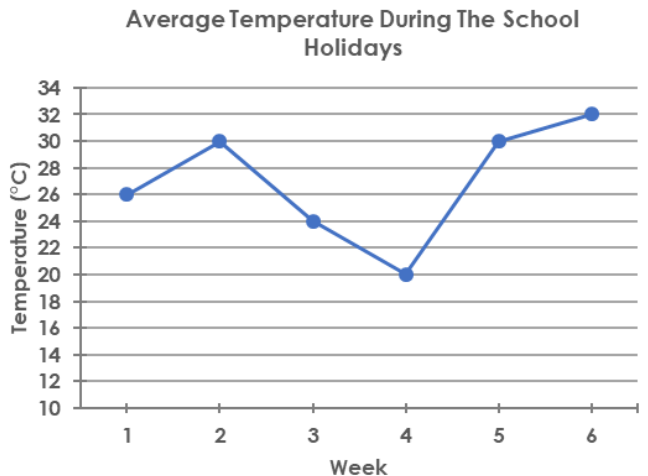
VF

2a. Which months saw more than 4mm of rain?



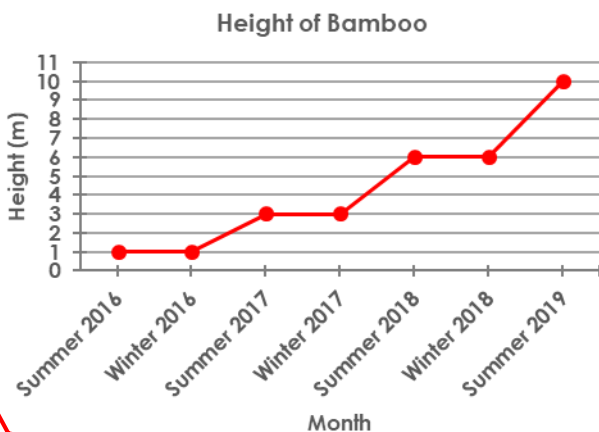
VF

2b. In which weeks were the temperatures 30°C or above?



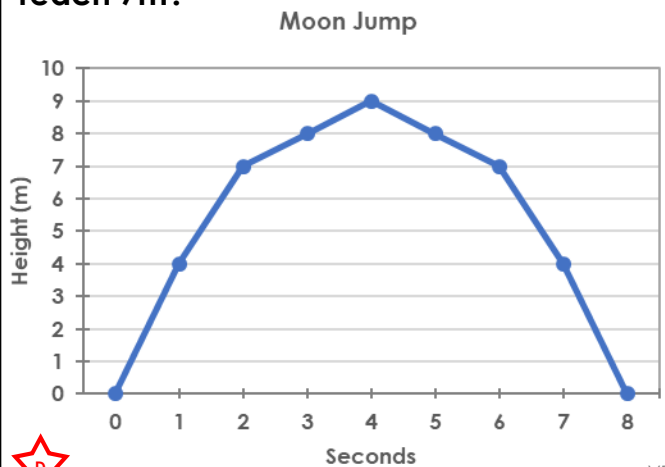
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3a. In which season did the height of the bamboo reach over 5m?



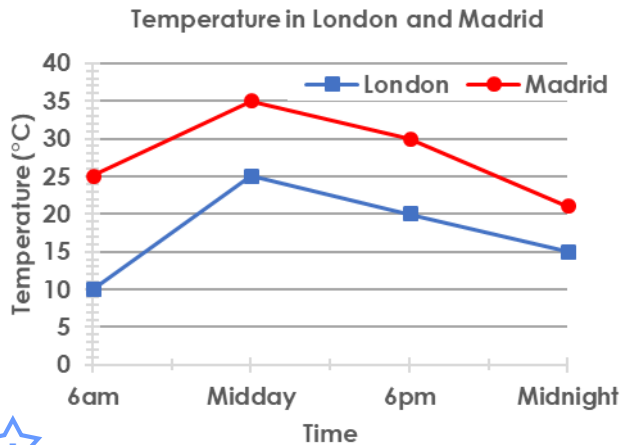
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3b. How long did it take the astronaut to reach 7m?



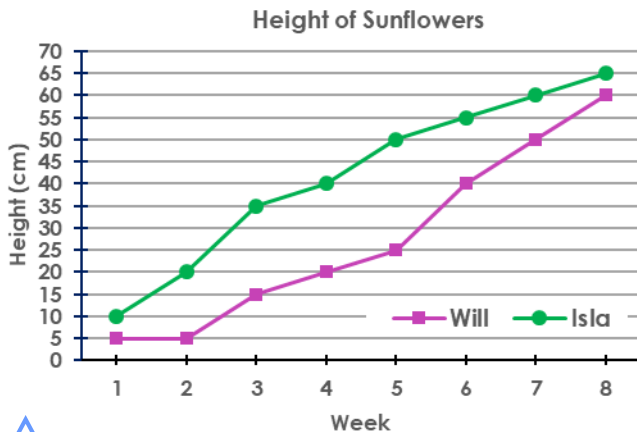
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4a. What was the difference in temperature at Midday?



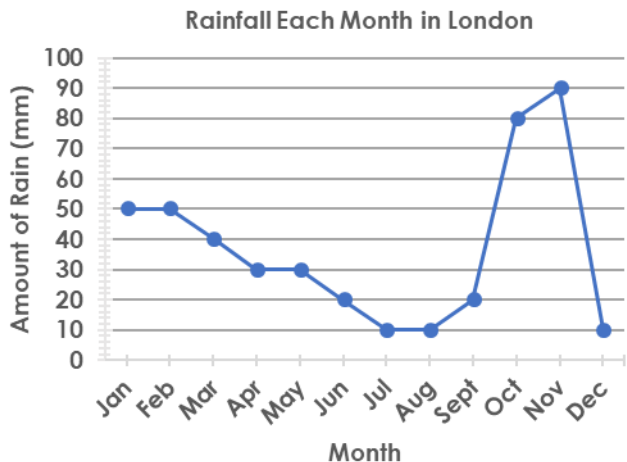
VF

4b. What was the difference in height at 6 weeks?



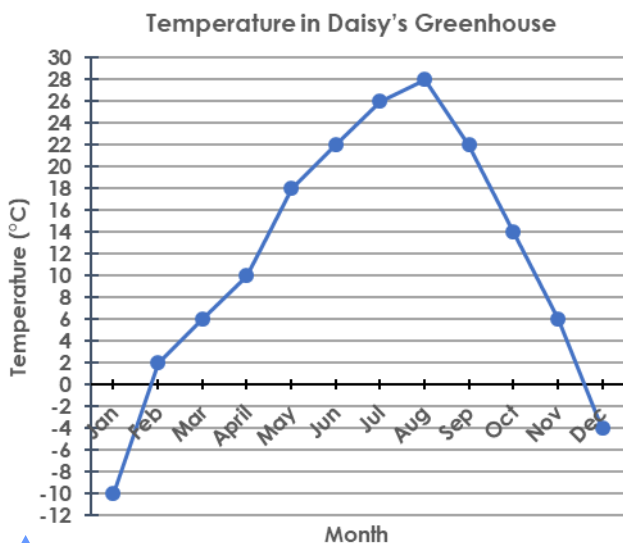
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5a. How many months saw more than 40mm of rain?



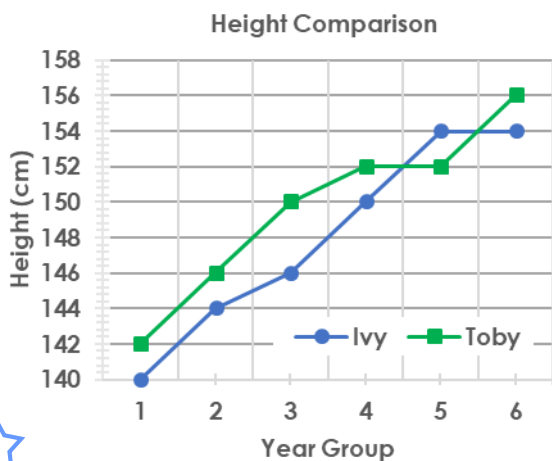
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5b. In which months were the temperatures below 0°C?



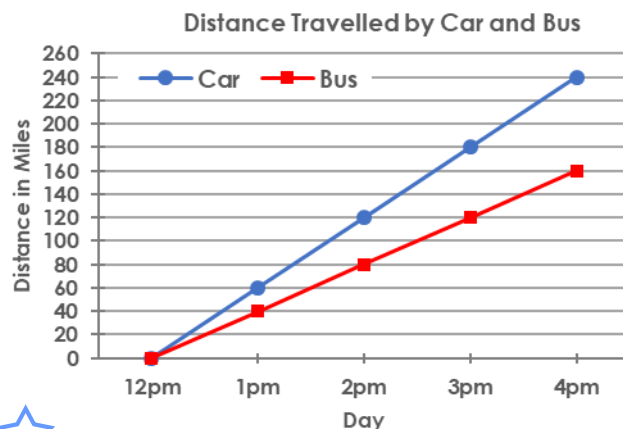
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6a. Who was taller in Year 4? Who was taller in Year 5?



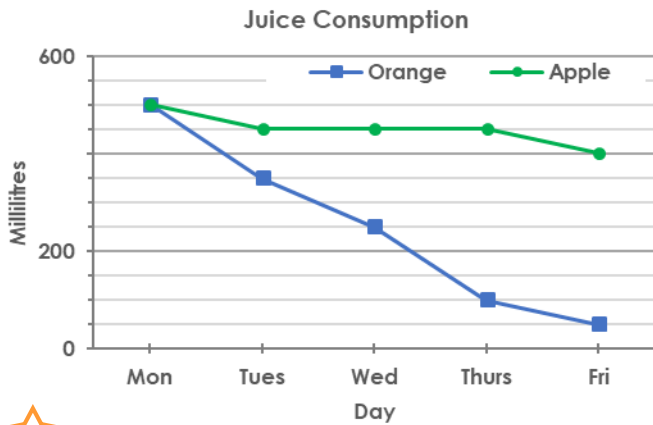
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6b. Which vehicle travelled the farthest between 12pm and 4pm?



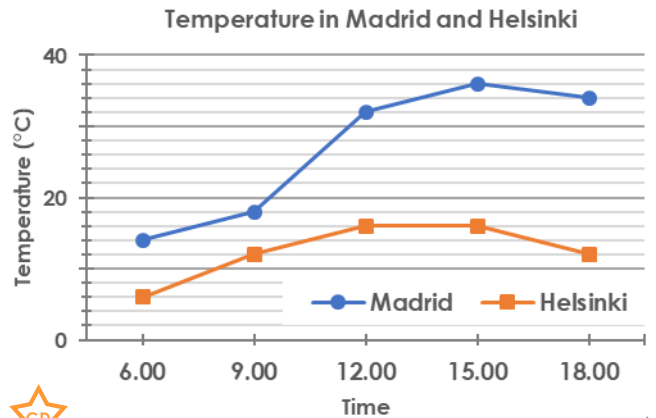
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7a. What was the difference between both juices consumed on Wednesday?



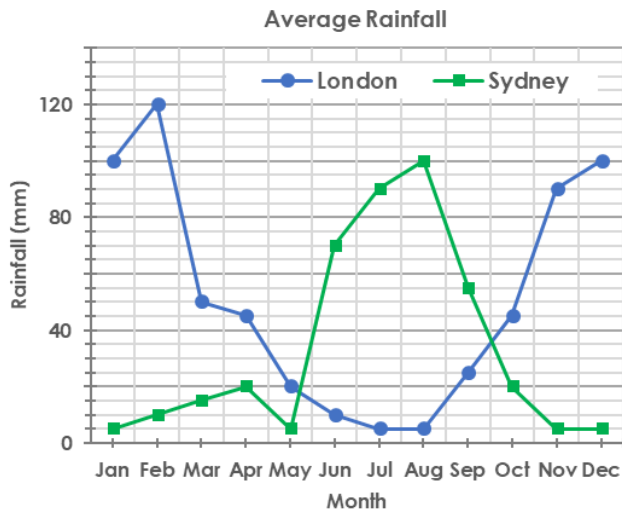
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7b. What was the difference in temperature in Madrid and Helsinki at Midday?



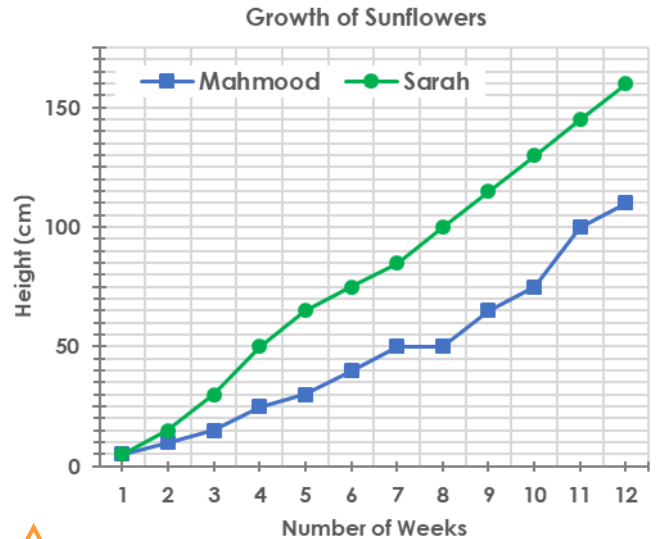
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8a. Which months had the highest amount of rainfall for each city?



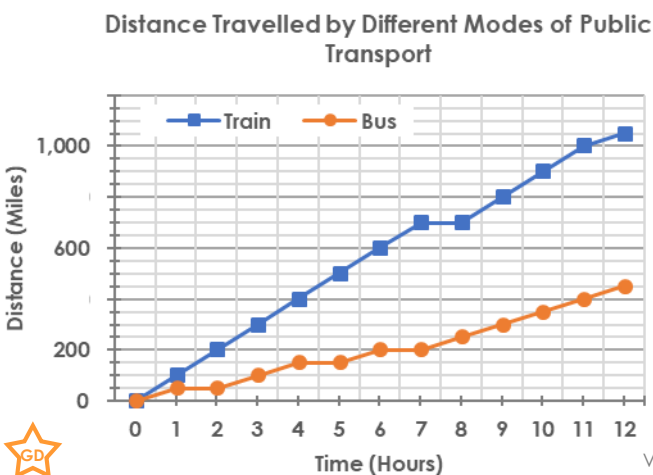
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8b. In which week did each person's sunflower pass a height of 100cm?



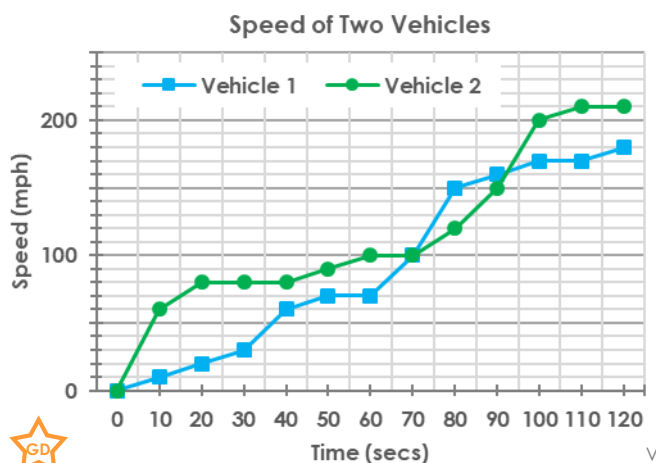
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9a. How many hours did each vehicle take to travel 400 miles?



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9b. How long did each vehicle take to reach 150mph?



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Developing

- 1a. Highest = 24°C; Lowest = 10°C
- 2a. January, February, March, September, November and December
- 3a. Summer 2018

Expected

- 4a. 10°C
- 5a. 4 months
- 6a. Toby was taller in Year 4. Ivy was taller in Year 5.

Greater Depth

- 7a. 200millilitres
- 8a. London = February; Sydney = August
- 9a. Train = 4 hours; Bus = 11 hours

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Developing

- 1b. 0cm
- 2b. Week 2, 5 and 6
- 3b. 2 seconds

Expected

- 4b. 15cm
- 5b. January and December
- 6b. The car

Greater Depth

- 7b. 16°C
- 8b. Mahmood = Week 11; Sarah = Week 8
- 9b. Car 1 = 80 seconds; Car 2 = 90 seconds