Line Graphs in Action

Compare, add and find the difference - Year 5 maths



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Your vote

What would you like to track every day for a week?

A Outside temperature in °C

B Minutes spent reading

C Glasses of water drunk

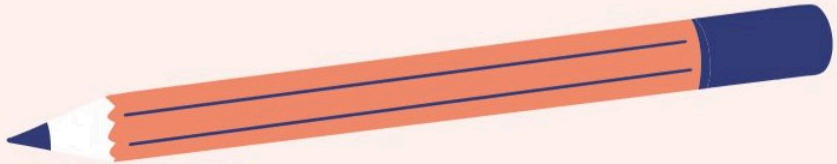


Vote with your hands, then explain why.

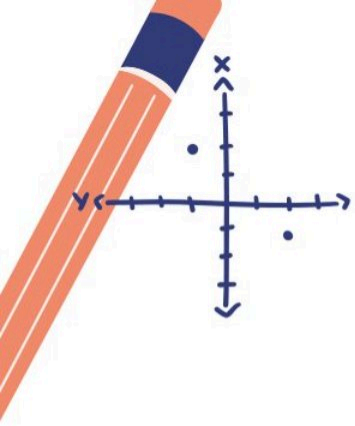
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Solve it in 3 steps

1. Read title, axes and scale carefully
2. Find exact values on each dot
3. Compare, add or subtract values



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Water heating up

0 mins
cool start, 18°C

2 mins
warming up, 36°C

5 mins
much hotter, 61°C

10 mins
very hot, 93°C

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Think, pair, share

January sold 50 bikes, February sold 30 bikes. How many more, and how many altogether?

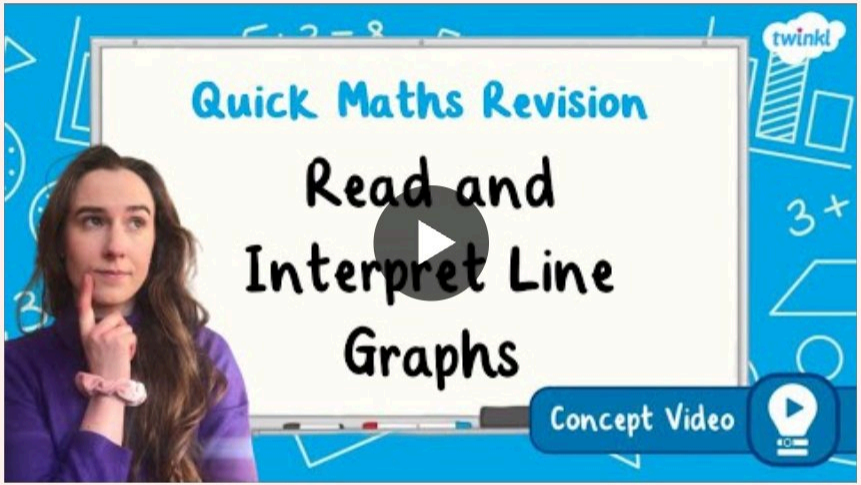




Illustration: krzysztof-m · Pixabay

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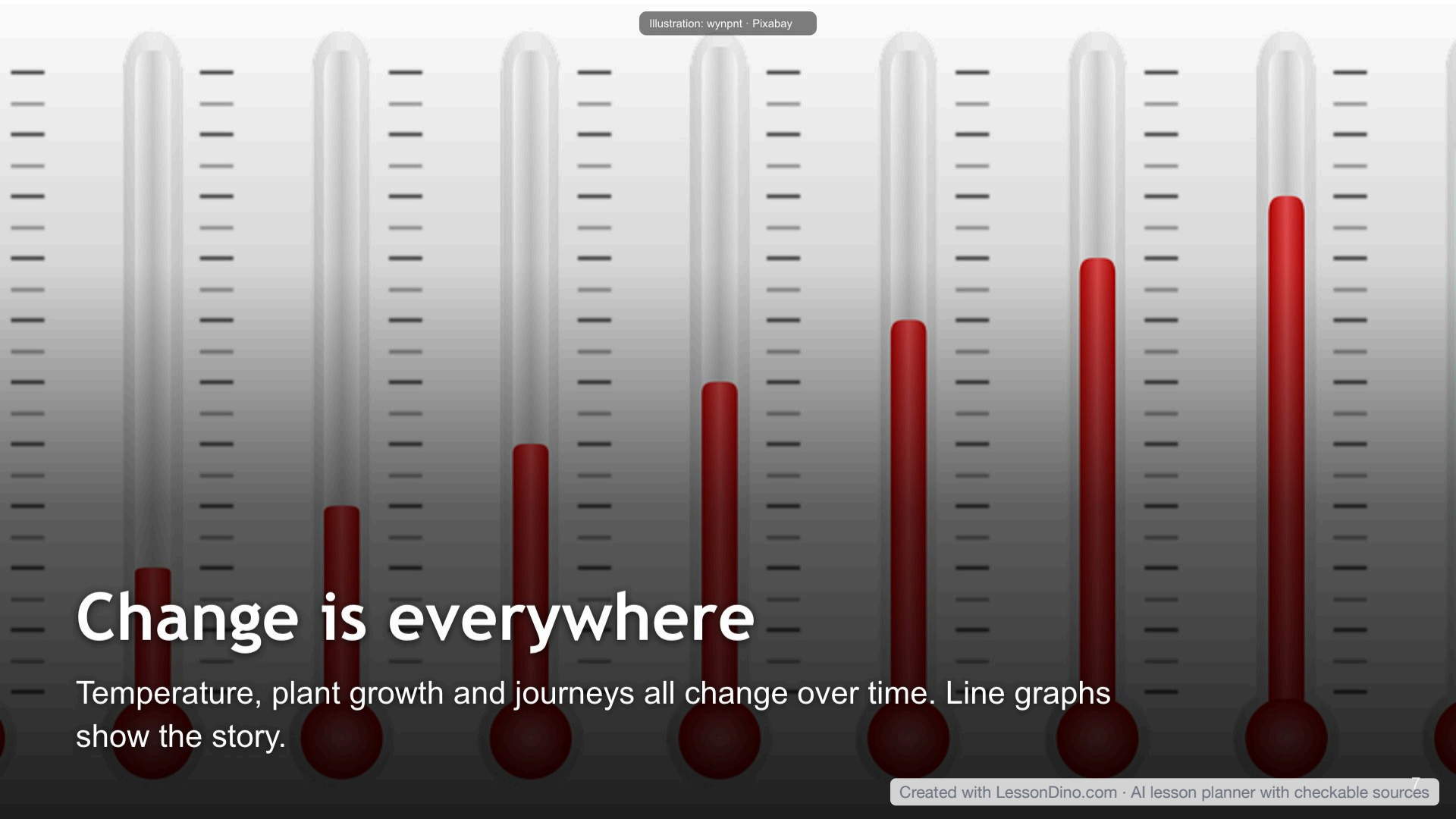
Watch: reading line graphs



▶ 1:15 — 4:40

- Watch how to find exact values
- Listen for compare words: more, less
- Spot how scale helps read dots

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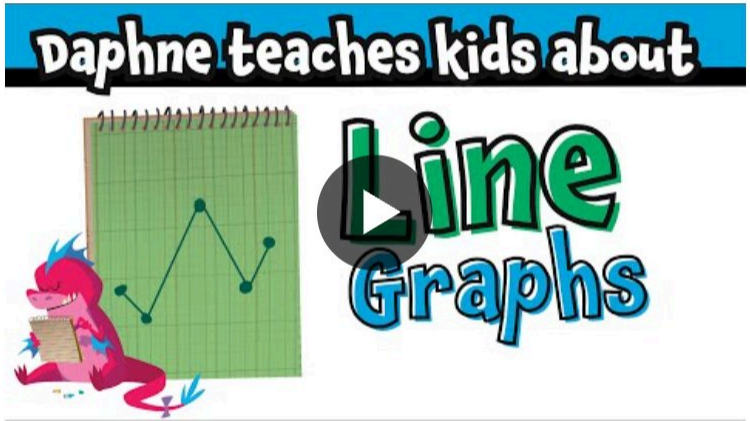


Change is everywhere

Temperature, plant growth and journeys all change over time. Line graphs show the story.

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Watch: comparing two lines



▶ 0:00 – 2:29

- Watch two lines on one graph
- See which is higher and lower
- Notice when lines cross over

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Your task

Use this plant graph: week 3 was 3 cm, week 8 was 12 cm. Solve three problems in pairs.

1. Find the difference between week 8 and week 3.
2. Add week 3 and week 8.
3. Write one comparison sentence using more than.

10 min

In pairs

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Key words

comparison

finding which value is more or less

sum

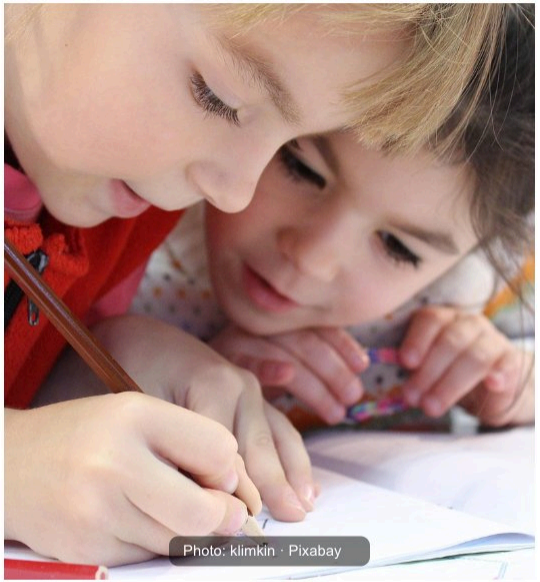
total when you add together

difference

gap when you subtract

trend

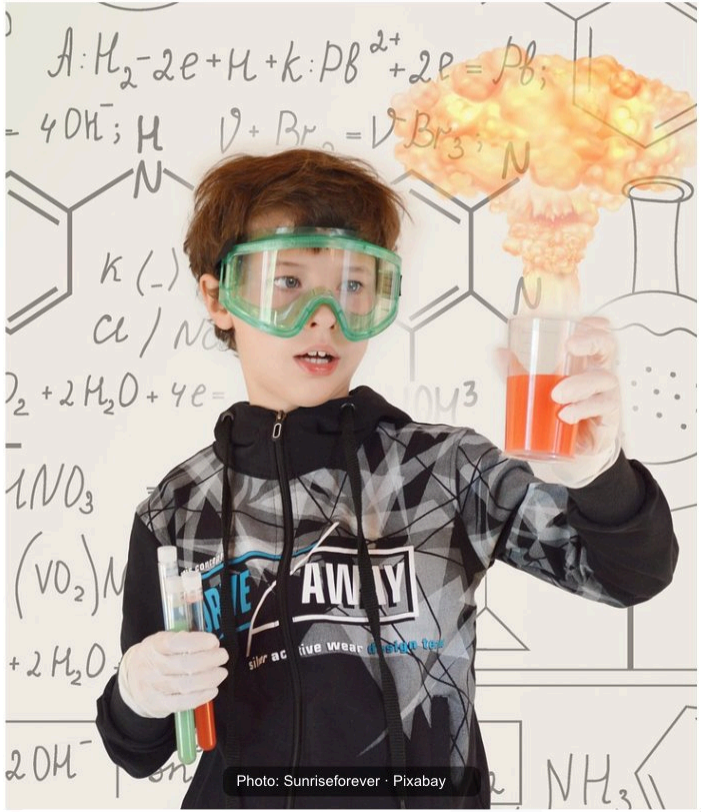
pattern of up and down



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What could this be?

This line shoots up, then goes flat. What could be warming up?





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Quick quiz

1. Bikes: January 50, February 30. Which month sold more?
2. How many more bikes in January than February?
3. What is the total for January and February?
4. What is the trend from January to February?

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