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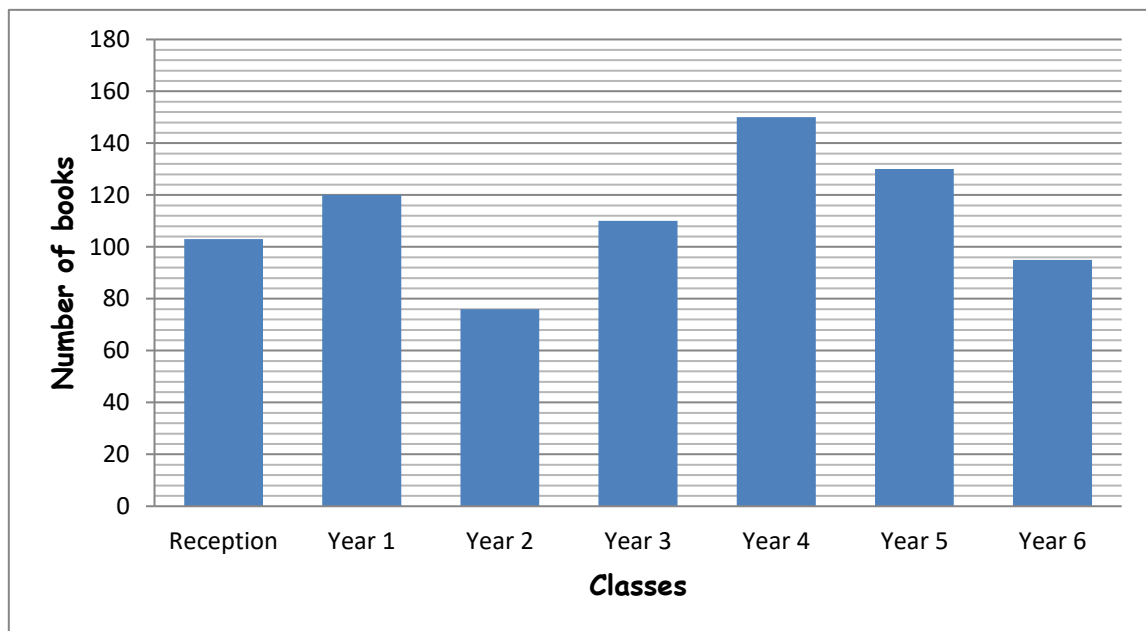# A graph to show the number of books each class has read in a half term (not real)

Bronze

1. Mr Smurthwaite wanted his class to read 170 books. How many more books did Year 3 need to read?
2. What was the total number of books read by Year 6 and Reception?
3. What is the sum of books read by Year 1 and Year 2? How many more books did Year 1 read?
4. What is the difference between the total of books read by Year 4 and 5 compared to the total of books read by both Year 3 and Year 6?
5. Did Year 1 read more books than the total of books read by Year 6 and Year 2? What is the difference between the two totals?
6. How many fewer books did Year 2 read than Year 3?

Challenge - Silver

Who read more books- KS1 (Reception, Year 1 and Year 2) **or** KS2 (Year 3-6)? What was the difference between their totals?

How many books did the school read in total?

Mrs Wood set a target of 500 books to be read by the whole school in this half term. Did we make this target? How over or under this target were we?

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Can you make your own bar chart using the information in the table provided?

Child	Number of Skips in 1 minute
Teddy	24
Annie	40
Whitney	58
Ron	15

Gold Challenges

Here is some information about the number of tickets sold for a concert.

Day	Number of tickets sold
Monday	55
Tuesday	30
Wednesday	45
Thursday	75
Friday	85

Jack starts to create a bar chart to represent the number of concert tickets sold during the week.
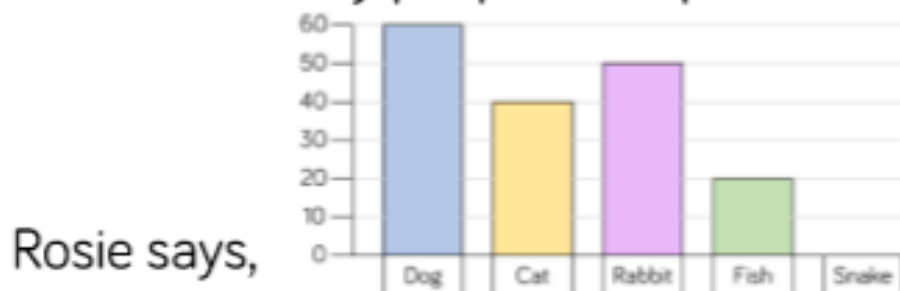

What advice would you give Jack about the scale he has chosen?
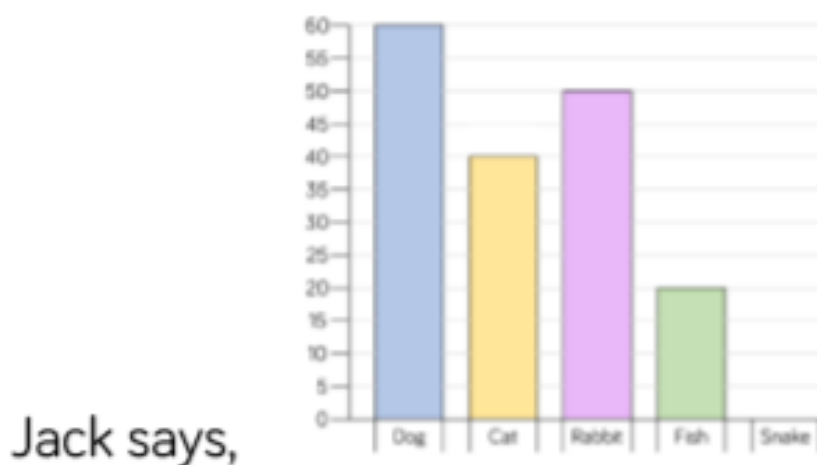What would be a better scale to use?
Is there anything else missing from the bar chart?

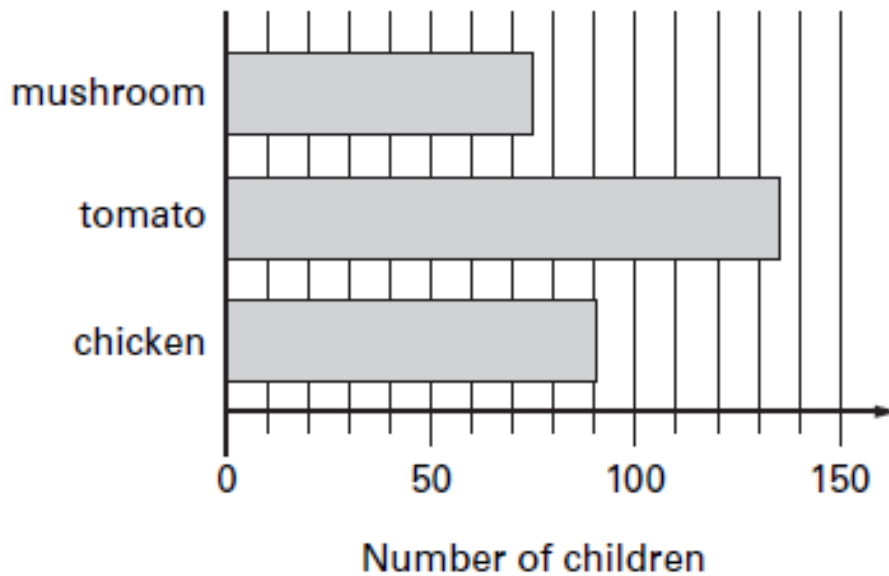Rosie and Jack have drawn bar charts to show how many people have pets

Rosie says,

I asked more people because my scale goes up in larger jumps.

Jack says,

I asked more people because my bars are taller.

Who is correct? Explain why.

All the children at Park School chose their favourite soup.

The graph shows the results.

Number of children

Robbie says,

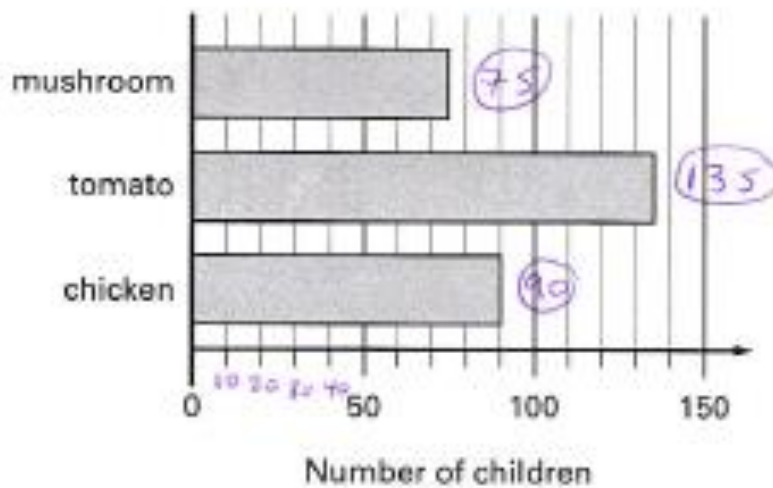*'More than half of the children chose tomato soup'.*

Is he correct?
Circle Yes or No.

Yes / No

Explain how you can tell from the graph.

All the children at Park School chose their favourite soup.

The graph shows the results.

Number of children

Robbie says,

'More than half of the children chose tomato soup'.

Is he correct?
Circle Yes or No.

Yes / (No)

Explain how you can tell from the graph.

> THE TOTAL OF ALL THE BARS
> IS 75 + 135 + 90 = 300
>
> HALF OF 300 IS 150, BUT 135 IS LESS
> THAN THIS.