



It is more common for the children in this class to weigh more than 25kg than for them to weigh less than 25kg.



Do you agree?
Give evidence for your answer.

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There are 28 children in this class.



Is this true or false?
Show how you worked it out.

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If your teacher was added to this diagram, I think they would go in the same set as Adil.



Do you agree?
Explain your reasoning.

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I think that 17 children are shorter than 1m 25cm.



Do you agree?
Show how you worked it out.

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Most children in the class are taller than Dara.



Is this true or false?
Explain your reasoning.

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Alex and Lian are the same weight as each other.



Is this true or false?
Explain your reasoning.

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Carroll Diagram Challenge Card Answers

<p>It is more common for the children in this class to weigh more than 25kg than for them to weigh less than 25kg. Do you agree? Give evidence for your answer.</p> <p>This is not true.</p>	<p>There are 28 children in this class. Is this true or false? Show how you worked it out.</p> <p>This is true.</p>
<p>I think that 17 children are shorter than 1m 25cm. Do you agree? Show how you worked it out.</p> <p>This is not true. 12 children are shorter than 1m 25cm.</p>	<p>Most children in the class are taller than Dara. Is this true or false? Explain your reasoning.</p> <p>This is true. There are 17 children in the set that are taller than 1m 25cm. Dara is not taller than 1m 25cm, so most children in the class are taller.</p>
<p>If my teacher was added to this diagram, I think they would go in the same set as Adil. Do you agree? Explain your reasoning.</p> <p>It is most likely that a teacher would be added to the same set as Adil as they will probably be taller than 1m 25cm and weigh more than 25kg.</p>	<p>Alex and Lian are the same weight as each other. Is this true or false? Explain your reasoning.</p> <p>This is false. They cannot be the same weight as each other as Adil weighs more than 25kg and Lian does not.</p>