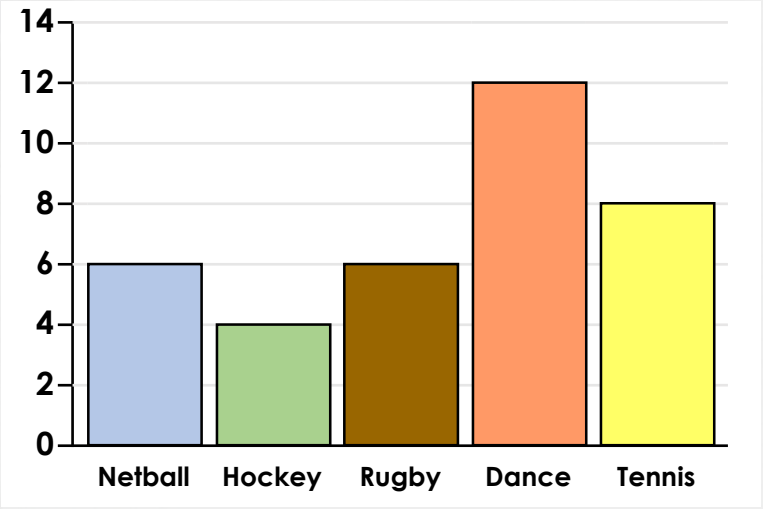
Step 3: Tables

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Introduction

Which two representations below show the same data?



⚽ = 2 children

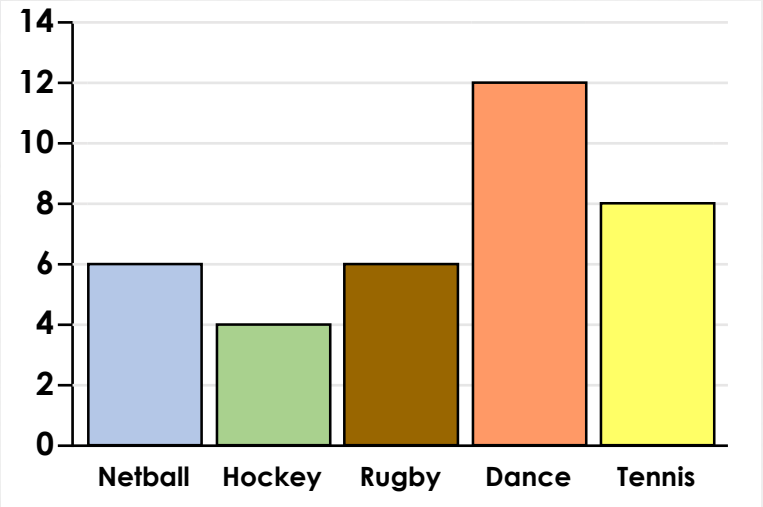
Sport	Number of children
Netball	⚽ ⚽ ⚽
Hockey	⚽ ⚽
Rugby	⚽ ⚽ ⚽
Dance	⚽ ⚽ ⚽ ⚽ ⚽ ⚽
Tennis	⚽ ⚽ ⚽ ⚽

	Men	Women	Total
Running	11	42	53
Gym	48	55	103
Swimming	16	32	48
No exercise	25	12	37

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Introduction

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Varied Fluency 1

Use the table to answer the questions about favourite colours.

	Green	Red	Yellow	Blue	Purple
Jane	✓				
Mark				✓	
Michael				✓	
Charlotte		✓			
Emily					✓

A. Which colour was chosen Mark and Michael?

B. Which are Charlotte and Jane's favourite colours?

C. Who chose purple as their favourite colour?

D. Which colour wasn't chosen by anybody?

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	Green	Red	Yellow	Blue	Purple
Jane	✓				
Mark				✓	
Michael				✓	
Charlotte		✓			
Emily					✓

A. Which colour was chosen Mark and Michael?
Blue

B. Which are Charlotte and Jane's favourite colours?
Charlotte's favourite colour is red and Jane's is green.

C. Who chose purple as their favourite colour?
Emily

D. Which colour wasn't chosen by anybody?
Yellow

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Varied Fluency 2

The table below shows the results of football matches.

	Win	Draw	Lose
Northfield AFC	6	2	1
Wetherton Juniors	4	1	4
Jumpleby Town	3	2	4

A. Which team won the fewest matches?

B. How many games had each team played?

C. Which two teams, when combined, had the same number of draws as Wetherton Juniors had won?

D. What is the difference between the total number of wins and the total number of draws?

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Northfield AFC	6	2	1
Wetherton Juniors	4	1	4
Jumpleby Town	3	2	4

A. Which team won the fewest matches?
Jumpleby Town

B. How many games had each team played?
9

C. Which two teams, when combined, had the same number of draws as Wetherton Juniors had won?
Northfield AFC and Jumpleby Town

D. What is the difference between the total number of wins and the total number of draws?
8

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Varied Fluency 3

The table shows the results of a breakfast survey.

	Toast	Cereal	Porridge	Fruit	Nothing
Boys	3	13	1	4	9
Girls	2	14	8	6	2
Men	6	5	7	3	10
Women	3	9	17	11	0

A. How many adults eat toast for breakfast?

B. Which was the least popular breakfast amongst children?

C. How many more people have porridge for breakfast than the total number of people who eat nothing?

D. Which breakfast food was voted for the most by both boys and girls?

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Varied Fluency 3

The table shows the results of a breakfast survey.

	Toast	Cereal	Porridge	Fruit	Nothing
Boys	3	13	1	4	9
Girls	2	14	8	6	2
Men	6	5	7	3	10
Women	3	9	17	11	0

A. How many adults eat toast for breakfast? 9

B. Which was the least popular breakfast amongst children? Toast

C. How many more people have porridge for breakfast than the total number of people who eat nothing? 12

D. Which breakfast food was voted for the most by both boys and girls? Cereal

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Problem Solving 1

The table shows how many house points each pupil receives each time they do well at school. The number of points increase each time by 4 each time. They have a maximum of ten rewards.

Rewards	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
Number of house points	1	5								

Complete the table and answer the questions.

A. How many house points will a child have in total when they receive six rewards?

B. How many more house points will a child that has received seven rewards have than a child who has three rewards?

C. Mrs Hudson only has five house point stickers left. How many more house point stickers will a child who has reached their fifth reward need?

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Problem Solving 1

The table shows how many house points each pupil receives each time they do well at school. The number of points increase each time by 4 each time. They have a maximum of ten rewards.

Rewards	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
Number of house points	1	5	9	13	17	21	25	29	33	37

Complete the table and answer the questions.

A. How many house points will a child have in total when they receive six rewards? 66

B. How many more house points will a child that has received seven rewards have than a child who has three rewards? 76

C. Mrs Hudson only has five house point stickers left. How many more house point stickers will a child who has reached their fifth reward need? 12 stickers

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Problem Solving 2

Use Liberty's clues to find out how many dogs and cats live at three addresses.



Liberty

- There are double the amount of cats than dogs on Lowdale Avenue.
- The total number of cats and dogs on Sunnydale Drive is 23.
- There is one more dog on Roseland Crescent than Sunnyvale Drive.
- The overall total of cats and dogs is 93.

	Lowdale Avenue	Sunnyvale Drive	Roseland Crescent
Dogs	14		
Cats		6	
Total			

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- The overall total of cats and dogs is 93.

	Lowdale Avenue	Sunnyvale Drive	Roseland Crescent
Dogs	14	17	18
Cats	28	6	10
Total	42	23	28

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Reasoning 1

Olly creates some questions about the table below.

	Eastlee	Southham	Westprom	Northend
Children	19	45	28	54
Adults	20	12	52	30

A. How many people support Eastlee?

B. Which team has the most fans at every game?

C. How many more people support Northend than Southam?

D. How many more adults support Westprom than children?

Which of Olly's questions can't be answered using the table? Explain why not.

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Which of Olly's questions can't be answered using the table?
Explain why not.
B can't be answered because…

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Which of Olly's questions can't be answered using the table? Explain why not.

B can't be answered because the table does not show this information.

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