

Varied Fluency

Step 2: Comparison, Sum and Difference

National Curriculum Objectives:

Mathematics Year 4: (4S1) [Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs](#)

Mathematics Year 4: (4S2) [Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs](#)

Differentiation:

Developing Questions to support using discrete data to solve comparison, sum and difference problems, including pictograms, tables and bar charts using scale intervals of 1 or 2, with some use of half intervals. Using a maximum of 4 sets of data.

Expected Questions to support using discrete data to solve comparison, sum and difference problems, including pictograms, tables and bar charts using multiples of 10 for scale intervals, with some use of half intervals. Using 4 sets of data.

Greater Depth Questions to support using discrete data to solve comparison, sum and difference problems, including pictograms, tally charts, tables and bar charts using multiples of 5 for scale intervals, where not all increments are marked, with use of half intervals. Using 4 sets of data.

More [Year 3 and Year 4 Statistics](#) resources.

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Comparison, Sum and Difference

1a. Use the table to calculate the number of goals scored in the tournament.

Netball Tournament Results

Match	Score
Warriors vs Rangers	2 – 1
Lions vs Tigers	2 – 2
Titans vs Spartans	0 – 1

In which matches were the most and least goals scored?



4 VF

Comparison, Sum and Difference

1b. Use the table to calculate the number of points awarded in the competition.

Diving Competition Scores

Diver	Score
Roger Speedman	6
Jessica Dunker	10
Martin Cannon	8

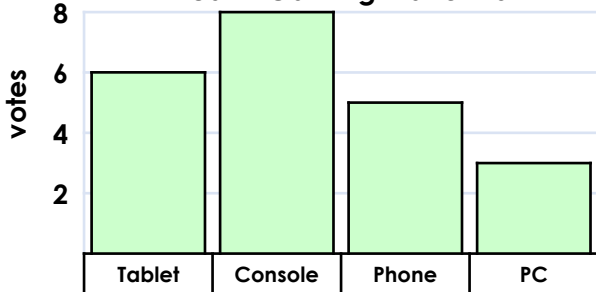
Who received the highest score?
Who received the lowest?



4 VF

2a. Complete the sentences below.

Year 4 Gaming Platforms



Consoles beat PC by _____ votes.

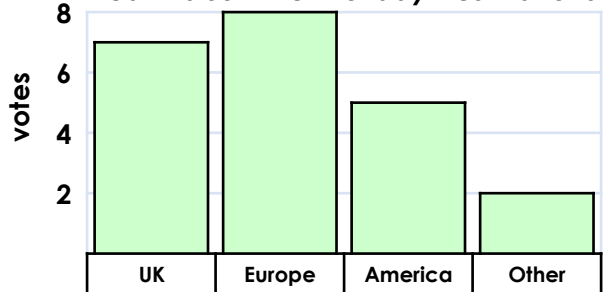
Phones were _____ vote behind tablets.



4 VF

2b. Complete the sentences below.

Year 4's Summer Holiday Destinations



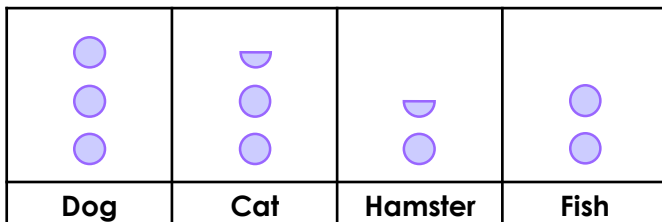
There are _____ more votes for Europe than America. There are _____ fewer votes for 'other' than the UK.



4 VF

3a. Calculate the difference between the number of pet dogs and hamsters.

Year 4's Pets



● = 2 pets

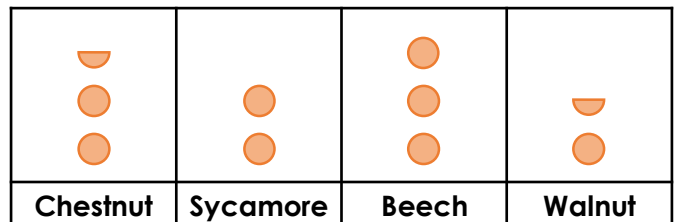
Which two pets are owned by 7 children altogether?



4 VF

3b. Calculate the difference between the number of chestnut and walnut trees.

Trees on School Grounds



● = 2 trees

Which two types of tree add up to 10 altogether?



4 VF

4a. Use the table to calculate the number of people who voted.

Favourite Activities at Luna Leisure Centre

Activity List	Votes
Swimming	80
Yoga	60
Badminton	40
Karate	50

Sort the activities in order from the most to least popular.



4 VF

4b. Use the table to calculate the number of leaves collected on the forest trail.

Leaves Collected on Forest Trail

Leaves	Number
Oak	90
Birch	50
Holly	100
Ash	60

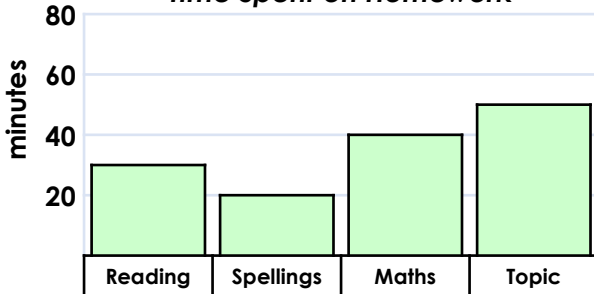
Sort the types of leaves in order from the most to least common.



4 VF

5a. Complete the sentences below.

Time Spent on Homework



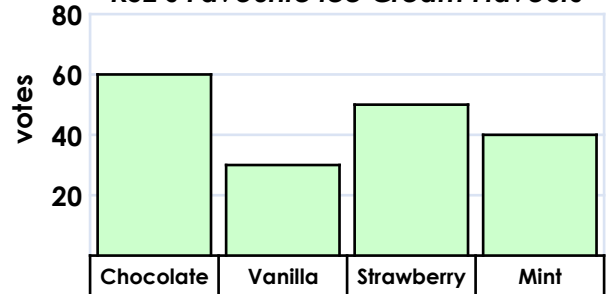
There were _____ more minutes of Maths than Spellings. Reading took _____ fewer minutes than Topic.



4 VF

5b. Complete the sentences below.

KS2's Favourite Ice Cream Flavours



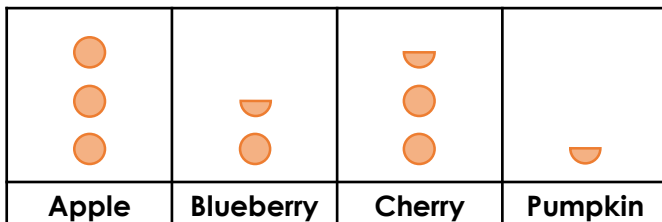
Chocolate beat Vanilla by _____ votes. Strawberry was _____ votes behind the winner.



4 VF

6a. Calculate the difference between the number of apple and pumpkin pies sold.

Pies sold at a bake sale



● = 10 pies

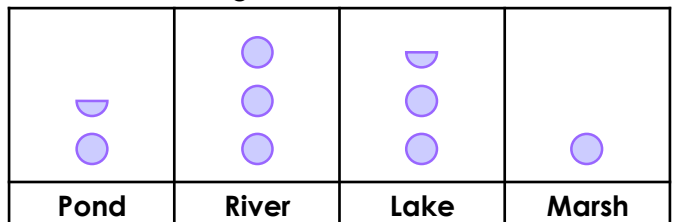
Which two types of pie were bought by 40 people altogether?



4 VF

6b. Calculate the difference between the frogs found in the pond and the river.

Areas where frogs were found in a National Park



● = 10 frogs

In which two areas were 35 frogs found altogether?



4 VF

7a. Use the table to calculate the number of people who visited the attractions.

Number of Visitors in May

Attraction	Visitors (thousands)
Theme Park	85
Safari Park	45
Water Park	60
Zoo Gardens	75

Sort the attractions in order from the most to least popular.



4 VF

7b. Use the tally chart to calculate the total number of sandwiches sold.

Sandwiches Sold at Lunchtime

Fillings	Number Sold
Cheese	
Egg	
Ham	
Tuna	

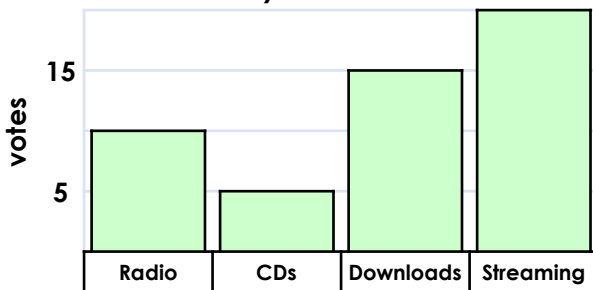
Sort the sandwich fillings in order from the most to least common.



4 VF

8a. Complete the sentences below.

How do you listen to music?



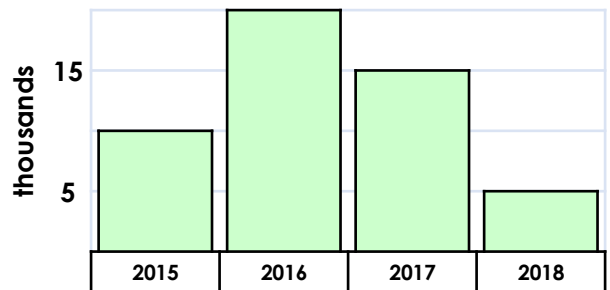
There were _____ more votes for streaming than CDs. Radio was _____ votes behind downloads.



4 VF

8b. Complete the sentences below.

Number of Houses Built



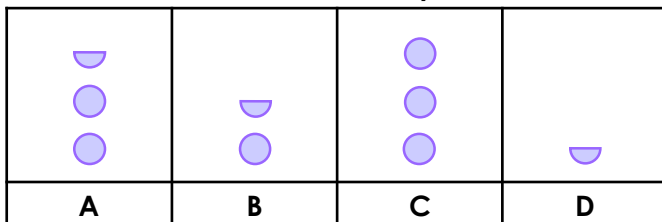
In 2016, _____ more houses were built than in 2018. In 2015, _____ fewer houses were built than in 2017.



4 VF

9a. Calculate the difference between the distance trains C and D travelled.

Distance Travelled by Trains



● = 50 miles

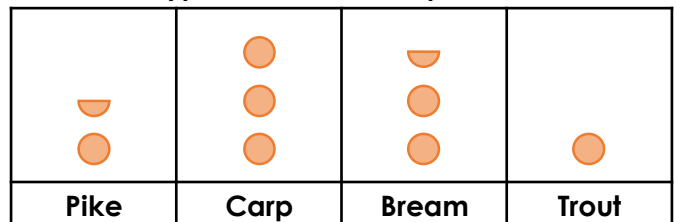
Which two trains travelled 200 miles altogether?



4 VF

9b. Calculate the difference between the number of carp and trout.

Types of fish at the Aquarium



● = 50 fish

Which two types of fish make up 225 of the fish altogether?



4 VF

Varied Fluency
Comparison, Sum and Difference

Developing

- 1a. 8; Most – Lions vs Tigers, Least – Titans vs Spartans
2a. 5, 1
3a. 3; hamsters and fish

Expected

- 4a. 230; Swimming, Yoga, Karate, Badminton
5a. 20, 20
6a. 25; cherry and blueberry

Greater Depth

- 7a. 265,000; Theme Park, Zoo Gardens, Water Park, Safari Park
8a. 15, 5
9a. 125 miles; A and B

Varied Fluency
Comparison, Sum and Difference

Developing

- 1b. 24; Highest – Jessica Dunker, Lowest – Roger Speedman
2b. 3, 5
3b. 2; sycamore and beech

Expected

- 4b. 300; Holly, Oak, Ash, Birch
5b. 30, 10
6b. 15; lake and marsh

Greater Depth

- 7b. 44; Cheese, Ham, Egg, Tuna
8b. 15,000; 5,000
9b. 100; pike and carp