



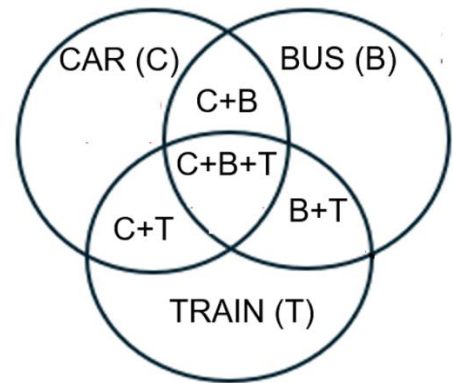
Gordon Burgin's Puzzles

February 2026 challenge

Transportation Survey Puzzle

62 people have taken part in a survey on modes of transport they use to travel to work. They have been asked whether they travel by **Car only**, **Bus only**, **Train only** or a combination of these three modes of travel.

- Twice as many people use the **Car only** as use the **Car and Train only**.
- Four more people use the **Bus only** than the **Train only**.
- Twice as many people use the **Train and Bus only**, as use all three modes.
- The same number of people use the **Car and Bus only** as use the **Bus only**.
- Thirteen more people use the **Car only** than the **Bus only**.
- Two people use all three modes of transport.



Can you work out how many people fall into each category?

Car only		Car and Train only	
Bus only		Bus and Train only	
Train only		Car and Bus only	
Car and Bus and Train			

Number Sequence Puzzle

The 5th and the 9th terms in a regular number sequence are 11 and 17 respectively. What is the sum total of the first 20 terms in the sequence? Hint: Follow these 4 steps, which can be used for any normal sequences of numbers

- Determine the values of the 1st and 20th numbers in the sequence.
- Add the 1st and 20th terms together.
- Divide Step 2 by 2, to find the average value of the number sequence.
- Multiply Step 3 by the total number of terms in the sequence to get the total sum of the first 20 terms.

Tennis Match Puzzle

Margaret and Fiona decided to play tennis against each other. They bet £1 on each game they played. Margaret won three bets and Fiona won £5. How many games did they play?