



# Gordon Burgin's Puzzles

## July 2023 challenge

### Puzzle One

How many 3-digit numbers are divisible by 7?

### Puzzle Two

In a certain class, 60% of the students are female and 40% are male. If 80% of the females and 70% of the males get A grades, what percentage of the class gets an A?

### Puzzle Three

Certain number of persons are standing in a row. Jake is 18th from the left end and Tiny is 23rd from the right end. If they interchange their positions, Tiny becomes 33rd from the right end. How many persons are there in the row?

### Puzzle Fours

A ship is sailing north at a speed of 20 km/hour. A second ship directly south of this is sailing east at a speed of 15 km/hour. How fast are they traveling apart?