



# Problem of the Week

## Problem B and Solution

### Introducing Olympic Sports

#### Problem

In August 2024, Paris, France will host the Summer Olympic Games. At these Olympics, breaking (also known as breakdancing) will be included for the first time. Over the years, the sports at the Summer Olympics have changed. The following tables show new sports at the Summer Olympics in the past 40 years, along with the year in which they were first introduced.

| Sport             | Year |
|-------------------|------|
| Artistic Swimming | 1984 |
| Badminton         | 1992 |
| Baseball          | 1992 |
| Beach Volleyball  | 1996 |
| BMX Freestyle     | 2020 |
| BMX Racing        | 2008 |
| Breaking          | 2024 |

| Sport               | Year |
|---------------------|------|
| Karate              | 2020 |
| Marathon Swimming   | 2008 |
| Mountain Biking     | 1996 |
| Rhythmic Gymnastics | 1984 |
| Rugby Sevens        | 2016 |
| Skateboarding       | 2020 |
| Softball            | 1996 |

| Sport            | Year |
|------------------|------|
| Sport Climbing   | 2020 |
| Surfing          | 2020 |
| Table Tennis     | 1988 |
| Taekwondo        | 2000 |
| Trampoline       | 2000 |
| Triathlon        | 2000 |
| 3 × 3 Basketball | 2020 |

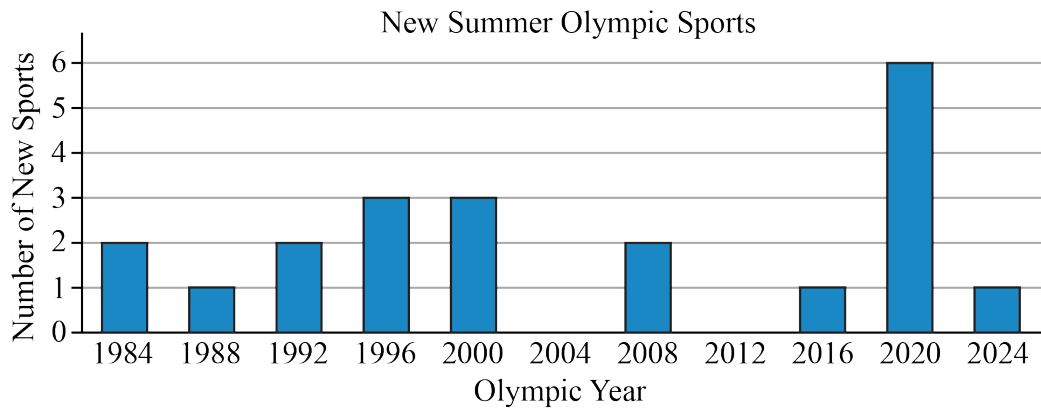
- (a) Organize and represent this data in a graph to show how many new sports were introduced each year.
- (b) Create an infographic about new sports at the Summer Olympics using information from the table and/or your graph.





## Solution

- (a) A bar graph can be used to show how many new sports were introduced each year. This is shown below.



- (b) An example of an infographic is shown.

