

SHQ: How do I use a bar model to help calculate the mean?

In this lesson, we are going to look at different ways of calculating the mean. Look at the following example:

In two figure skating competitions, two skaters received the following marks:

Skater 1: There were five judges

5 6 5 4 10 (total score 30)

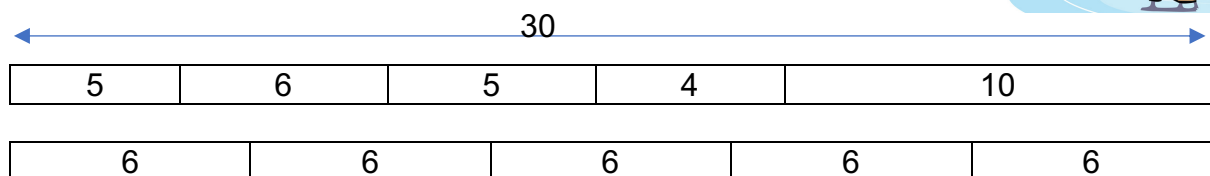
Skater 2: There were four judges

6 8 6 6 (total score 26)

Use a bar model to show your calculation:

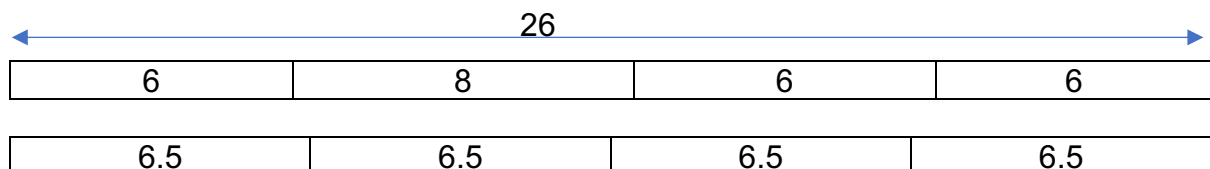


Skater 1:



The mean score for skater 1 is 6 (30 divided by 5 or total score divided by number of judges)

Skater 2:



The mean score for skater 1 is 6.5 (26 divided by 4 or total score divided by number of judges)

Note : the mean does not have to be a whole number

Using the information above and the skills that you learned from Worksheet 6, have a go at the Power Maths problems on the resource sheet for **worksheet 7**. If you want a challenge, try **Questions 4 and 5**.

When you have completed the questions you are going to try, look back over your work and try the 'reflect' question at the end. The answers for all the questions can be found in the Week 9 Maths