

Summer Olympics medal winners

National Team		Number of Summer Olympics taken part in:	Gold medals:	Silver medals:	Bronze medals:	Total medals:
	United States (USA)	26	976	757	666	2399
	<i>Soviet Union (USSR)*</i> <small>*The Soviet Union was dissolved in 1991. Its equivalent today is the Russian Federation.</small>	9	395	319	296	1010
	Germany (GER)	15	174	182	217	573
	Great Britain (GBR)	27	236	272	272	780
	France (FRA)	27	202	223	246	671
	Italy (ITA)	26	198	166	185	549
	China (CHN)	9	201	145	127	473
	Hungary (HUN)	25	167	144	165	476
	<i>East Germany (GDR)**</i> <small>**East and West Germany were reunified as Germany in 1990.</small>	5	153	129	127	409

Data handling activities

Select one graph activity or work your way through them all!

The Apprentice

Create a bar graph to show the gold medal count for these nations:
Soviet Union, Germany, Great Britain, France, Italy, China, Hungary.

Master Mathematician

Create a bar graph to show the gold, silver and bronze medal count for the 6 nations with the highest total medal scores.

Mega-Challenge

Create a bar graph to show the total, gold, silver and bronze medal count for the 8 nations with the highest total medal scores.

Extension: Fill in the table below, showing the **mean** number of medals won by each nation per Summer Olympics, to the nearest whole number.

For example, the USA has won 2,399 medals over 26 Summer Olympics.

$$2,399 \div 26 = 92.269\dots$$

$$= 92 \text{ medals (to the nearest whole number)}$$

Country	Total number of medals	Mean number of medals (to the nearest whole no.)
 United States (USA)	2399	92
 Soviet Union (USSR)		
 Germany (GER)		
 Great Britain (GBR)		
 France (FRA)		
 Italy (ITA)		
 China (CHN)		
 Hungary (HUN)		
 East Germany (GDR)		



How good is your graph? Highlight the criteria that your graph meets to see which medal you deserve!

Bronze medal	Silver medal	Gold medal
I used a ruler to draw the axes and bars.	I have written the numbers on the y-axis on the lines of the graph paper.	The scale on the y-axis goes up in equal amounts.
I positioned my axes and bars on the lines of the graph paper.	I have written the nation's names on the x-axis between the lines of the graph paper.	I have given my graph a title that explains what it is about.
My bars are all the same width.	I have labelled both axes.	

Yippee! I have won a medal!

Next time I would improve my graph by:

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Challenge question: Can you think of three more ideas of graphs you could make using data from the Olympics?

1.
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2.
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3.
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