OLYMPIC GAMES

The 2012 Olympic Games are underway and the scores are in for **the 100 meter swim, long jump, mountain biking, and swimming**. You must determine who is going to get which medal: <u>Gold, Silver, and Bronze</u> for each event. You must think about the times as they are recorded. Compare the decimals and record your data in a chart that gives a visual representation of who came in which place for each event. Then in **words**, describe how you came to your conclusions. Using all the scores, decide who won the GOLD, SILVER, and BRONZE medals for the OLYMPICS <u>overall</u>?

> **Going Further:** There was a mix-up in the recording of times. The times *should have been* recorded to the thousandths place and then rounded to the hundredths. Needless to say, the person who was in charge of recording the times has been fired for not doing the job correctly. Terrible! However, the athletes, their coaches, and their countries are anxiously waiting to see if they are going to lose their medals or even be given one. Look at all the times carefully and determine if any number in the thousandths place will change the rankings of the medals. All eyes are on you…no pressure. Explain in an announcement to the Olympic officials your findings for each event.

….this just in, the times actually should have been recorded to the nearest tenths place. NOW WHAT??? Recalculate again and submit your findings to the Olympic officials. Does rounding the scores to a place value change the ranking for the countries? Which place value do you think is the most important for recording times to? Why?

> **Going Even Further:** Create a game that could be included in the Olympics. Tell how scores will be recorded (time, distance, point value, etc). Have 3 friends practice your game using your scoring method and rank them accordingly. What did you learn? How would your ranking system fit into the Olympic Games?
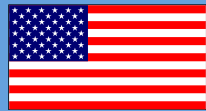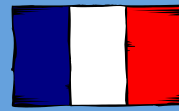
Great Britain	USA	Italy	France	Germany
51.91	49.22	50.52	48.58	50.37

100 meter Swim Recorded in Seconds
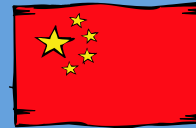
South Africa	Australia	Kenya	China	Belgium
48.45	49.69	50.89	47.23	47.95
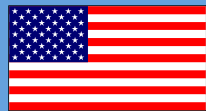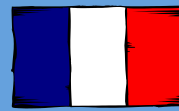
Great Britain	USA	Italy	France	Germany
2.25	3.16	2.09	2.57	3.15

Long Jump Recorded in Meters

South Africa	Australia	Kenya	China	Belgium
3.54	3.46	3.33	3.43	2.01
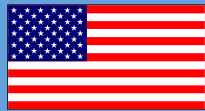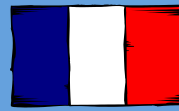
Great Britain	USA	Italy	France	Germany
2.01	3.15	3.06	2.31	2.35

Mountain Biking Recorded in Hours

South Africa	Australia	Kenya	China	Belgium
3.22	3.29	2.43	2.05	3.55
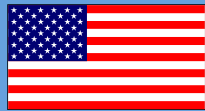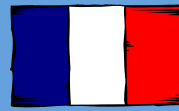
Great Britain	USA	Italy	France	Germany
26.73	26.93	20.43	24.02	20.78

Swimming 50m Free Style Recorded in Seconds

South Africa	Australia	Kenya	China	Belgium
28.49	26.36	27.42	23.54	20.95

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Event:

Ranking	Time	Country

Event:

Ranking	Time	Country

Event:

Ranking	Time	Country

Event:

Ranking	Time	Country

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Event:		
Going Further		
Ranking	**Time**	**Country**

Event:		
Going Further		
Ranking	**Time**	**Country**

Event:		
Going Further		
Ranking	**Time**	**Country**

Event:		
Going Further		
Ranking	**Time**	**Country**