



Olympic Medal Math

Diving Competition Scoring

Get all 5 scores right:	Gold Medal Performance!
Get 4 scores right:	Silver Medal Performance!
Get 3 scores right:	Bronze Medal Performance!

INSTRUCTIONS

On the next page, you will see 6 sets of diving scores for each of five countries. Your challenge is to calculate all 5 team scores, and figure out which country won the gold, silver, and bronze medals in the diving competition. Here's how!

- Each country will receive 6 sets of scores. For each set there are 7 scores, and you must throw out the highest and lowest score.
- Add the remaining 5 scores together.
- Multiply the result by the degree of difficulty of the dive. (For our examples all dives have a degree of difficulty of 2.8)
- Once you have that answer multiply it by 0.6 to receive the final score for that dive.
- Do this for all 6 sets of scores for the country. Then add the scores together for the total for that country.

Which country has the highest score, second highest, third and so on?

If you watch the diving you will see that the scoring above is how dives are actually calculated in competition. The reason they take the score and multiply it by 0.6 is to retain historical perspective. There used to be only 3 judges and now there are 7.

Good luck, and have fun!

(NOTE: The answer key is on the third page.)

England

1.	8.5	8.0	7.5	8.0	8.5	7.5	8.0
2.	9.0	7.0	7.0	7.5	8.5	8.5	8.5
3.	5.5	6.0	6.0	5.0	5.5	6.5	6.0
4.	7.5	7.5	7.5	7.0	7.0	7.5	8.0
5.	8.5	9.0	9.0	9.0	8.5	8.0	8.5
6.	8.5	8.0	8.0	7.5	7.0	7.5	8.5

China

1.	8.5	8.5	8.0	8.5	8.5	8.0	9.0
2.	7.5	7.5	7.0	8.0	7.5	7.5	7.5
3.	8.5	8.0	8.5	9.0	9.0	8.5	8.0
4.	8.5	9.5	9.0	9.0	8.5	8.0	9.0
5.	9.0	9.0	9.5	8.5	8.5	9.0	9.0
6.	8.0	8.0	7.5	7.5	7.0	8.5	7.5

Canada

1.	8.0	7.5	7.0	7.0	7.5	8.0	7.0
2.	6.5	6.5	6.0	5.5	5.5	6.0	6.0
3.	7.0	7.0	7.0	7.5	6.5	7.5	7.0
4.	8.0	8.0	8.0	8.5	7.5	7.5	8.0
5.	4.5	4.5	5.0	5.5	5.5	5.0	5.5
6.	6.5	6.5	6.0	7.0	7.5	6.5	7.0

USA

1.	7.5	7.0	7.5	8.0	7.5	7.5	7.5
2.	8.5	8.5	9.0	9.0	8.0	8.5	9.0
3.	8.5	8.0	8.0	8.0	7.5	8.0	8.0
4.	8.5	8.0	9.0	8.5	8.5	8.5	8.0
5.	9.0	9.0	9.5	8.5	8.5	8.5	8.5
6.	10.0	9.5	9.5	9.5	10.0	10.0	9.0

Australia

1.	7.5	7.5	7.5	7.0	6.5	7.5	8.0
2.	6.5	6.5	6.5	7.0	7.0	6.0	6.5
3.	7.5	7.5	8.0	8.0	8.0	8.5	8.0
4.	8.0	7.5	7.5	8.0	8.5	8.5	8.0
5.	8.5	8.0	8.5	8.5	9.0	9.0	8.5
6.	9.0	9.0	8.5	8.5	8.0	8.5	8.5

Diving Competition Scoring

ANSWER KEY

England:

- | | |
|---|---|
| 1. $40 \times 2.8 = 112 \times 0.6 = 67.2$ | 2. $40 \times 2.8 = 112 \times 0.6 = 67.2$ |
| 3. $29 \times 2.8 = 81.2 \times 0.6 = 48.72$ | 4. $37 \times 2.8 = 103.6 \times 0.6 = 62.16$ |
| 5. $43.5 \times 2.8 = 121.8 \times 0.6 = 73.08$ | 6. $39.5 \times 2.8 = 110.6 \times 0.6 = 66.36$ |
| Total = 384.72 fourth place | |

China:

- | | |
|---|---|
| 1. $42 \times 2.8 = 117.6 \times 0.6 = 70.56$ | 2. $37.5 \times 2.8 = 105 \times 0.6 = 63$ |
| 3. $42.5 \times 2.8 = 119 \times 0.6 = 71.40$ | 4. $44 \times 2.8 = 123.2 \times 0.6 = 73.92$ |
| 5. $44.5 \times 2.8 = 124.6 \times 0.6 = 74.76$ | 6. $38.5 \times 2.8 = 107.8 \times 0.6 = 64.68$ |
| Total = 418.32 second place (Silver Medal) | |

Canada:

- | | |
|--|---|
| 1. $37 \times 2.8 = 103.6 \times 0.6 = 62.16$ | 2. $30 \times 2.8 = 84 \times 0.6 = 50.4$ |
| 3. $35.5 \times 2.8 = 99.4 \times 0.6 = 59.64$ | 4. $39.5 \times 2.8 = 110.6 \times 0.6 = 66.36$ |
| 5. $25.5 \times 2.8 = 71.4 \times 0.6 = 42.84$ | 6. $33 \times 2.8 = 92.4 \times 0.6 = 55.44$ |
| Total = 336.84 fifth place | |

USA:

- | | |
|---|---|
| 1. $37.5 \times 2.8 = 105 \times 0.6 = 63$ | 2. $43.5 \times 2.8 = 121.8 \times 0.6 = 73.08$ |
| 3. $40 \times 2.8 = 112 \times 0.6 = 67.2$ | 4. $42 \times 2.8 = 117.6 \times 0.6 = 70.56$ |
| 5. $43.5 \times 2.8 = 121.8 \times 0.6 = 73.08$ | 6. $48.5 \times 2.8 = 135.8 \times 0.6 = 81.48$ |
| Total = 428.4 first place (Gold Medal) | |

Australia:

- | | |
|---|---|
| 1. $37 \times 2.8 = 103.6 \times 0.6 = 62.16$ | 2. $33 \times 2.8 = 92.4 \times 0.6 = 55.44$ |
| 3. $39.5 \times 2.8 = 110.6 \times 0.6 = 66.36$ | 4. $40 \times 2.8 = 112 \times 0.6 = 67.2$ |
| 5. $43 \times 2.8 = 120.4 \times 0.6 = 72.24$ | 6. $43 \times 2.8 = 120.4 \times 0.6 = 72.24$ |
| Total = 395.64 third place (Bronze Medal) | |