

Training Mission - Clever Coach Answer Key

Coach has been asked to judge a figure skating competition. He will be one of three judges. The judges will give each skater a score from 0 to 10. The head judge's score will count twice because of her vast experience. Then the scores will be averaged

Directions: Find the average score for each skater to determine the winner of the skating competition.

Note: In order to find the average (or mean) of a set of data (like skating scores) you simply find the sum of all the items in a set of data, divided by the number of items in the set.

Step 1: Fill in the blanks to find the sample skater's average score. Remember that the head judge's score counts twice.

$$\text{Average} = \frac{\text{HeadJudge} + \text{HeadJudge} + \text{JudgeAbby} + \text{Coach}}{4} = \frac{8+8+6+6}{4} = \boxed{7}$$

	Head Judge Trudy	Judge Abby	Judge Coach	Average Score
Sample Skater	8	6	6	<u>7</u>

Step 2: Find the weighted average score for the four skaters in the competition.

	Head Judge Trudy	Judge Abby	Judge Coach	Average Score
Skater 1: Shelby	6	7	5	<u>6</u>
Skater 2: Helen	9	7	5	<u>7.5</u>
Skater 3: Bea	5	2	4	<u>4</u>
Skater 4: Fiona	6	6	4	<u>5.5</u>

Step 3: Determine the winner of the skating competition. Whoever has the highest average score is the winner.

Skater 2: Helen