

Ace Your Dreams Worksheet (Upper Elementary)



SOLUTIONS

Problem:

Anna, Kristina, and Olga each won a medal in cycling. The cyclist in first place won the gold medal, the cyclist in second place won silver, and the cyclist in third place won bronze. Kristina placed 2 positions higher than Anna. Match the medals to their winners.

Gold: Kristina

Silver: Olga

Bronze: Anna

How did you get your answer? Use words.

If Kristina positions higher than Anna, then she must have won gold because 1st place is the only available position that's 2 places higher than another. Anna must therefore be in 3rd place, winning bronze. That leaves the silver medal for Olga in second place.

Larry says that each contestant had a 1 in 3 chance to win the gold. Is he right or wrong?

Larry is wrong. We don't know how many other cyclists there were competing besides Anna, Kristina, and Olga, so we can't tell what chance each player had to win gold.

The gold medalist finished the event in 44 minutes and 26 seconds.
The silver medalist finished the event in 44 minutes and 32 seconds.
The bronze medalist finished the event in 44 minutes and 38 seconds.

Find all correct answers based on the original problem.

a) If the bronze medalist were 13 seconds faster, she would have won gold.

b) If the silver medalist were 7 seconds faster, she would have won gold.

c) If the gold medalist were 8 seconds slower, she would have won silver.

All answers are correct.

Write an inequality that compares the times above.

$$44:26 < 44:32 < 44:38$$

Answers will vary in terms of unit.



DATE _____

NAME _____