

Cycling



Roger Anderson from Madison High School winning his fourth race of the season.

¹Barry is a good athlete who plays soccer and runs long distance on the track team. ²Now Barry has decided that he wants to join the cycling team at Madison High School, which is in first place in the district. ³He also wants the new Super Racer bike because it is the best bike on the market and one that is used by many top cyclists, but it is a far more expensive bike than the one ridden by all the other students on the team. ⁴Even Barry's soccer coach, Mr. Williams, thinks the Super Racer is a great bike. ⁵Barry's parents are not convinced that the bike he wants is necessary, so Barry tries to convince them with this argument: "Every winning bicyclist in the district uses the Super Racer bike, and I need that bike to win. ⁶Besides, if Coach Williams thinks I should have it, then you should buy it for me."

Assume all the statements and facts in the puzzle are true. Write whether each sentence is **True**, **False**, or **Unknown**. Then write the sentence number(s) and/or check the box that provides the best evidence for each true or false answer.

_____ 1. The best riders on the school team all ride the Super Racer bike.

Sentence

☐
Picture

☐
Caption

_____ 2. If Barry doesn't get a Super Racer bike, he will probably lose all his races.

Sentences

☐
Picture

☐
Caption

_____ 3. Playing soccer and running long distance on the track team will help Barry in terms of his conditioning and endurance.

Sentence

☐
Picture

☐
Caption

_____ 4. Coach Williams is a good authority on cycling bikes.

Sentence

☐
Picture

☐
Caption

_____ 5. Most top cyclists use the Super Racer bike.

Sentence

☐
Picture

☐
Caption

Answers

Cycling, p. 10

1. F; 3; The other students on the team ride much less expensive bikes than the Super Racer bike.
2. U; There is not enough evidence. There are many other factors that will determine whether or not Barry wins his races such as how much he trains and who he races against. Moreover, none of the members of his team ride the Super Racer bike and yet they still win their races as evidenced by the team being in first place. This means riding the Super Racer bike is not necessary in order to win a race.
3. T; 1; While Barry will still need to practice and train, playing soccer and running long distance helps him be physically fit. These activities are aerobic activities and provide him with conditioning and increase his endurance. They also teach him discipline.
4. U; There is not enough evidence. Just because Mr. Williams is a soccer coach does not make him an expert or authority on cycling. However, it may be that Coach Williams is a cyclist and knows what makes a great cycling bike. More information would be needed about Coach Williams before Barry's parents could determine if he is a qualified authority on cycling bikes.
5. U; There is no evidence that the Super Race bike is used by "most" top cyclists. Sentence 3 tells us only that it is used by many of the top cyclists, but many does not mean most. For example, there are many Spanish speaking people in the world, but most people in the world do not speak Spanish.