What Happened When General Custer Took Off His Boots?

Solve each problem and find your solution in the answer column. Write the letter of the answer in each box containing the exercise number.

1 Two trains left Mooseport at the same time. One traveled north at 83 mph. The other traveled south at 67 mph. After how many hours were the two trains 600 miles apart?

2 A train left Mooseport traveling west at 50 mph. One hour later, another train left Mooseport traveling east at 70 mph. How many hours had the first train been traveling when they were 350 miles apart?

3 Two planes are traveling toward each other and are 950 miles apart. One plane is flying at 170 mph. The other is flying at 210 mph. In how many hours will the planes pass each other?

4 Romeo first saw Juliet when she was 87 meters away. He started running toward her at a rate of 5 m/s. Three seconds later, Juliet saw Romeo and began running toward him at a rate of 4 m/s. How many seconds after Romeo first saw Juliet did they meet?

5 In Exercise #4, how far had Romeo run when he met Juliet?

6 A stagecoach left Dry Gulch traveling east at 30 km/h. Two hours later, another stagecoach left Dry Gulch traveling in the same direction at 40 km/h. How many hours had the first stagecoach been traveling when the second stagecoach caught up?

7 Bart is fleeing the scene of a bank robbery at 70 mph. Thirty minutes after he leaves, a police helicopter leaves the scene to catch him, traveling 100 mph along the same route. How many hours will Bart have been traveling when the police catch up?

8 Belle Strong is swimming in Lochness Lake, 230 feet from shore. Suddenly she screams for help and starts swimming toward shore at 2 ft/s. Ten seconds later, Maxx Magnum starts toward her in a rowboat, traveling 5 ft/s. How many seconds will Belle have been swimming when Maxx reaches her?

9 In Exercise #8, how far will Maxx have rowed when he reaches Belle?
Why Did the Camper Make a Lousy Baseball Player?

Solve each problem, then find your answer and cross out the letters above it. When you finish, write the remaining letters in the spaces at the bottom of the page.

1. Two camels pass each other in the desert, going in opposite directions. One camel is walking at an average rate of 9 km/h. The other camel is walking at an average rate of 7 km/h. After how many hours will the camels be 60 km apart?

2. Two camels pass each other in the desert, going in opposite directions. The rate of one camel is 3 km/h faster than the rate of the other. Four hours later, the camels are 68 km apart. Find the rate of the faster camel.

3. Two crews are digging an 800-meter tunnel through Marble Mountain. Crew A starts at the west end and digs at a rate of 9 m/day. Five days later, Crew B starts at the east end and digs at a rate of 10 m/day. How many days will Crew A have been working when the tunnel is finished? (Round to the nearest day.)

4. A plane left Emerald City flying at an average rate of 270 mph. Two hours later, another plane left Emerald City flying in the same direction at 450 mph. How long will the second plane be flying until it catches up with the first?

5. Torque left home on his bicycle at 9:00 A.M., traveling at an average rate of 12 mph. At noon, Torque’s brother set out after him on a motorcycle, following the same route, averaging 39 mph. How long had Torque been riding when his brother caught up?

6. In Exercise #5, how far had Torque traveled when his brother caught up?

7. Karina rode her bike up a mountain trail at an average speed of 4 mph. Then she rode back down the trail at an average speed of 20 mph. The entire trip took 3 hours. How far up the mountain did Karina go?

8. A plane on a search mission flew east from an airport, turned, and flew west back to the airport. The plane cruised at 200 km/h when flying east and 300 km/h when flying west. If the plane was in the air for 6 hours, how far from the airport did it travel?

9. A motorboat can travel upstream on a river at 12 mph and downstream at 20 mph. How far upstream can the boat travel if it leaves at 8:00 A.M. and must return by noon?