

Word Problems II (Sect. 3.3)

6. Suppose a student has the grades of 75, 60, and 94 on their first three exams. What would they need to get on the fourth exam to get have an average exam grade of 80?
7. The yearly rainfall in Seattle is 20 more inches than the yearly rainfall in Spokane. If the sum of the yearly rainfall of the two cities is 54 inches, how much does it rain in each city?
8. The length of a rectangular sheet of paper is three times the width. If the perimeter of the rectangle is 72 centimeters, what are the dimensions of the paper?
9. You make 20 pounds of trail mix with peanuts, chocolate, and dried fruit. There is twice as many peanuts as chocolate. There is ten pounds more of dried fruit than chocolate. (You are trying to go easy on the chocolate.) How many pounds of each do you use?
10. In the 2008 Summer Olympics, the United States received four times as many gold medals as Japan. South Korea earned four more gold medals than Japan. The three countries got 58 gold medals total. How many gold medals did each country receive?

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