

Stefan left school and traveled toward his friend's house. Eugene left two hours later traveling at 40 km/h in an effort to catch up to Stefan. After traveling for three hours Eugene finally caught up. What was Stefan's average speed?

Jenny traveled to the lake and back. On the trip there she traveled 80 km/h and on the return trip she went 60 km/h. How long did the trip there take if the return trip took four hours?

Shayna left the airport and drove toward the capital at an average speed of 52 km/h. Some time later Mary left driving in the same direction but at an average speed of 65 km/h. After driving for four hours Mary caught up with Shayna. Find the number of hours Shayna drove before Mary caught up.

Lisa traveled to her cabin on the lake and back. The trip there took five hours and the trip back took six hours. She averaged 45 km/h on the return trip. Find the average speed of the trip there.

A jet left Paris at the same time as a passenger plane. The planes flew in opposite directions. The passenger plane flew at a speed of 450 mph. After 11 hours they were 9460 miles apart. How fast did the jet fly?

A diesel train left Washington and traveled toward Johannesburg at an average speed of 52 mph. A cattle train left two hours later and traveled in the same direction but with an average speed of 60 mph. Find the number of hours the diesel train traveled before the cattle train caught up.

In a department store, a \$40 dress is marked, "Save 25%." What is the discount? What is the sale price of the dress?

If the Mr. Bowen wants to buy a new set of golf clubs. The clubs he wants to buy is normally \$540.00. They are on sale right now for 25% off the original price. Sales tax on the clubs will be 6%. Find the final price of the new clubs.

Susan is extremely excited about starting her first job as a nurse. Her gross annual salary is \$60,000. Susan contributes 15% of her salary before taxes to a retirement account. Then she pays 25% of her remaining salary in state and federal taxes. Finally, she pays \$40 per month for health insurance. What is Susan's annual take-home pay?

In order for a school to allow a vending machine to be placed next to the cafeteria, 65% of the school's population must ask for it. If 340 of the school's 650 students have requested the vending machines, how many more are needed to get the vending machines?

There are 80 coins of \$5 in the purse. These coins constitute 20 % of its total coins. How many coins are there in the purse?