

Name: ..... Class: .....

Estimate sums and differences: word problems

- a. Yesterday, Peter went for a drive and drove for 177 miles. Today he drove for 338 miles. About how many miles did Peter drive in all? ( Round to the nearest hundred)
- b. Larry and his brother John, both collect marbles. So far, John has collected 78, 920 marbles while Larry has collected 69, 200 marbles. About how many marbles has John collected more than Larry? ( Round to the nearest ten - thousand)
- c. The store had 785 packets of crayons. 58 packets of crayons were sold out. About how many packets of crayons does the store have now?
- d. Stacy harvested 402 baskets of apples from her apple farm. Each basket had 75 apples. After her sales at the farmers market, she was left with only 45 apples. About how many apples did she sell in all at the farmers market?
- e. On the shopping list of 524 items that I had to buy, I bought only 222. About how many items am I left with to buy?
- f. Yesterday, my sister travelled 285 miles in 3 hours to come home for summer break. Estimate the average speed that she was travelling.
- g. Last summer, my family and I drove for four days to get to a summer camp. We drove 178 miles on day one, 252 miles on day two, and 187 miles on day four. If we drove a total of 758 miles in all, about how many miles did we drive on day three?
- h. Email took a loan of \$451,852,630 from the bank. If he's to pay at the rate of \$985,000 per month, about how long will it take him to pay back the entire loan?
- i. Louise has a collection of stamps. Last year, she collected 452 stamps. This year, he collected twelve times the number of stamps she collected last year. About how many stamps does he have in her collection now?

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- a. Yesterday, Peter went for a drive and drove for 177 miles. Today he drove for 338 miles. About how many miles did Peter drive in all? ( Round to the nearest hundred)

Let's first of all write down the given information.

Miles Peter drove yesterday = 177 miles.

Miles he drove today = 338 miles.

Miles driven in all = ( 177 + 338) miles.

Secondly, let's round each number to the nearest hundred, then add to find the estimate ;

177 → 200

338 → 300

Finally, we use the rounded numbers to find the solution ;

$$300 + 200 = 500$$

So, Peter drove about 500 miles in all. Or an estimate of 500 miles in all.

- b. So, John has collected about 10,000 marbles more than Larry.
- c. So, the estimated number of packets of crayons the store has now is 730.
- d. So, she sold about 30,100 apples at the farmers market.
- e. So, I am left with about 300 items to buy on the shopping list.
- f. So, she was travelling at a speed of about 100 miles per hour.
- g. So, we drove about 100 miles on day three.
- h. So, it will take him about 500 months to pay back the loan.
- i. So, he has about 4,500 stamps in her collection now.