

Name: Class:

Estimating Quotient Word Problems

a.

Yesterday, I travelled 385 miles in 3 hours to come home for summer break.

Estimate the average speed that she was travelling.

b.

A craftswoman wove 178 baskets in 3 months.

Assuming she had 8 days off per month, estimate how many baskets she wove per day.

c.

One of the oldest libraries in David's city has one section filled with 79,701 oldest comic books, another section with 28,724 history books, and 135,541 section filled with other books.

About how many books are in the library in all?

d.

A poultry farmer has nearly 18,760 fish distributed in 22 tanks.

Estimate the average number of fish per tank.

e.

In a pond located near the farm of Mr. Chapellin, there are 317 ducks and 2,087 ducklings.

By returning the ducklings to their mothers, how many ducklings will there be on average per duck?

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a. Distance I covered = 385 miles,

Amount of time I took to cover 385 miles = 3 hours.

Therefore, estimated average speed that she was travelling at =

distance she covered ÷ amount of time she took to cover 385 miles

$$390 \div 3 = 130$$

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 130 \\
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 \end{array}$$

So, she was travelling at a speed of about 130 miles per hour.

b. She wove about 3 baskets per day.

c. There are about 250,000 books in the library.

d. We have about 940 fish per tank.

e. The will be about 7 ducklings per duck.