

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

Estimating Products Word Problems

a.

About how many legs do 4,485 chicken have?

b.

If there are 244 jelly beans per box, estimate the number of jelly beans in 1,185 boxes.

c.

An airline has 300 planes. If each plane carries 1,075 passengers, about how many passengers does the company records, provided all the planes travel daily with full load?

d.

Delilah has a collection of stones. last week, she collected 402,861 well polished stones. This week, she collected two times the number of staones she collected last week.

About how many stones does she have in her collection now?

e.

To perfect her typing skills, Piper makes sure she types 9,235 words each day.

About how many words could she have typed in september?

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Estimating Products Word Problems

a. Number of chicken =4,485

Number of legs that a chicken has = 2.

Therefore, number of legs that 4,485 (about 4,500) chicken have =

$$\text{number of chicken} \times \text{number of legs that a chicken has} \quad 4500 \times 2 = ?$$

Let's multiply  $4,500 \times 2$

How do you multiply numbers ending with zeroes?

First multiply numbers without zeroes:  $45 \times 2 = 90$

Then, count numbers of 0 and add it to the result

so the answer is 9,000

So, 4,485 chicken have about 9,000 legs.

b. There are about 240,000 jelly beans in 1,185 boxes.

c. The company records about 330,000 passengers daily.

d. She has about 800,000 stones in her collection now. .

e. She typed about 270,000 words in september.