Name _____ Date _____

1. Estimate the quotients.

a. $3.53 \div 51 \approx$ $3.5 \div 50 = 3.5 \div 5 \div 10 = 0.7 \div 10 = 0.07$

b. $24.2 \div 42 \approx$ $24 \div 40 = 24 \div 4 \div 10 = 6 \div 10 = 0.6$

c. $9.13 \div 23 \approx$ $10 \div 20 = 10 \div 2 \div 10 = 5 \div 10 = 0.5$

d. $79.2 \div 39 \approx$ $80 \div 40 = 2$

e. $7.19 \div 58 \approx$ $7.2 \div 60 = 7.2 \div 6 \div 10 = 1.2 \div 10 = 0.12$

2. Estimate the quotient in (a). Use your estimated quotient to estimate (b) and (c).

a. $9.13 \div 42 \approx$ $9.2 \div 40 = 9.2 \div 4 \div 10 = 2.3 \div 10 = 0.23$

b. $913 \div 42 \approx$ 23

c. $91.3 \div 42 \approx$ 2.3

3. Mrs. Huynh bought a bag of 3 dozen toy animals as party favors for her son's birthday party for $28.97. Estimate the price of each toy animal.

12
× 3
36

$28.97 \div 36 \approx 28 \div 40 = 28 \div 4 \div 10 = 7 \div 10 = 0.7$

Each toy is about 70¢.

4. Carter drank 15.75 gallons of water in 4 weeks. He drank the same amount of water each day.

a. Estimate how many gallons he drank in one day.

$15.75 \div 4 \approx 16 \div 4 = 4$ in a week

$4 \div 7 \approx 4 \div 8 = 0.5$ → About 0.5 gallons each day.

b. Estimate how many gallons he drank in one week.

$15.75 \div 4 \approx 16 \div 4 = 4$ in each week

c. About how many days altogether will it take him to drink 20 gallons?

4 gallons each week × 5 = 20 gallons

It will take about 5 weeks, which is 35 days.

NOTE: Because students are being asked to estimate, each problem may have multiple correct "answers".