

Name: Class:

Division with decimal quotients: word problems

- a. Pual has \$98.65. He wishes to divide this amount evenly between himself and five of his friends. How much to the nearest cent will each person get?
- b. Mr smith drove 199.5 miles on a work trip. He used about 8 gallons of gas. How many miles per gallon of gas did he cover on the trip. Round your answer to the nearest tenths
- c. A silk linen blend fabric vendor ordered a total of 132.75 rolls of silk linen. If they ordered an equal quantity of gold, silver, blue, white, and black rolls of silk linen, to the nearest whole number, how many rolls of gold silk linen did they order?
- d. A groceries' store orders six dozens bags of food items weighing a total of 5,457,025.96 grams. If all the bags had the same weight, to the nearest hundredth, what was the weight of each bag of food item?
- e. Dan scored a total of 523.75 marks out of 700 in their final competitive exams. To the nearest whole number, what was the mark per question if all the questions were allocated the same mark?
- f. Five members of a cross country relay team ran a total of 26.25km during the cross country race. If they each have to cover an equal distance during the race, how much distance did each member cover?
- g. Zoey is a very talented event planner. She has a piece of ribbon that is 3,075.00 centimeters long. She wants to divide the ribbon into 9 equal pieces to decorate tables for an event. To the nearest hundredth, how long in meters will each piece of ribbon be?
- h. A truck transported 15 bags of cement that weighed a total of 1,484.99 kilograms. What was the weight of each bag of cement? Round your answer to the nearest whole number.
- i. A candy company makes 826.564 pounds of candy in 0.15 hours. How many pounds of candy, on average does the company make per minute? Give your answer to two decimal places.

Name: Class:

Division with decimal quotients: word problems

- a. Pual has \$98.65. He wishes to divide this amount evenly between himself and five of his friends. How much to the nearest cent will each person get?

$$\begin{array}{r}
 16.441 \\
 6 \overline{) 98.650} \\
 \underline{- 6} \\
 38 \\
 \underline{- 36} \\
 26 \\
 \underline{- 24} \\
 25 \\
 \underline{- 24} \\
 10 \\
 \underline{- 6} \\
 4
 \end{array}$$

← To round to the nearest cent, divide to thousandths.

Divide \$98.65 by the number of persons. there are 6 people in number. So, $\$98.65 \div 6 =$

So, each person will get \$16.44.

- b. So, he covered 24.9 miles per gallon of gas.
- c. So, they ordered 27 (to nearest whole number) rolls of gold silk linen.
- d. So, each bag weighs 75,792.03 grams (to the nearest hundredth).
- e. So, each question was allocated 1 mark (to the nearest whole number).
- f. So, each member covered a distance of 5.25km.
- g. So, each piece of ribbon is 3.42 meters (to the nearest hundredth).
- h. So, each bag of cement weighs 99kg (to the nearest whole number).
- i. So, the company makes 91.84 pounds (to two decimals places) of candy per minute.