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Decimals Review Day 1

MULTIPLICATION REVIEW

1. Write all the steps for multiplying fractions

2. Multiply the following

a. 12.4×9

d. 12.45×89.4

b. 2.5×0.05

e. 8.374×0.084

c. 134.56×0.12

f. 9.02×7.46

3. Complete each of the word problems below.

a. Latrell's science class places weights on a scale during an experiment. Each weight weighs 2.7 kilograms. If the class puts 8 weights on the scale at the same time, what will the scale read?

b. A student earns \$11.75 per hour for gardening. If she worked 21 hours this month, then how much did she earn?

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- c. School lunches cost \$14.50 per week. About how much would 15.5 weeks of lunches cost?

- d. Rick's car gets 29.7 miles per gallon on the highway. If his fuel tank holds 10.45 gallons, then how far can he travel on one full tank of gas?

- e. There are 2.54 centimeters in one inch. How many inches are there in 51.78 centimeters? Round your answer to the nearest thousandth.

DIVISION REVIEW

- 1. If there is a decimal in the divisor, how do you solve the problem?

- 2. Complete each whole number division problem below .

a. $12 \div 45$

c. $32 \div 5$

b. $4 \div 3$

d. $6 \div 12$

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3. Complete each decimal in dividend problem below

a. $89.23 \div 2$

c. $56.15 \div 7$

b. $14.7246 \div 3$

d. $34.982 \div 5$

4. Complete each decimal in divisor problem below

a. $346 \div 0.004$

c. $8.2 \div 0.3$

b. $56.87 \div 0.5$

d. $6.4567 \div 0.06$

5. Complete each word problem below

a. A member of the school track team ran for a total of 179.3 miles in practice over 61.5 days. About how many miles did he average per day?

b. A store owner has 7.11 lbs. of candy. If she puts the candy into 9 jars, how much candy will each jar contain?

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- c. Paul will pay for his new car in 36 monthly payments. If his car loan is for \$19,061, then how much will Paul pay each month? Round your answer to nearest cent.

- d. What is the average speed in miles per hour of a car that travels 956.4 miles in 15.9 hours? Round your answer to the nearest tenth.

- e. Six cases of paper cost \$159.98. How much does one case cost? Round your answer to the nearest cent.

- f. Mr. Williams buys 12 gallons of ivory paint to do up the exteriors of his home. How much does one gallon of paint cost, if he is billed a total of \$305.46 for his purchase?

- g. One pound equals 0.45 kilogram. Cathy weighs 81.36 kilograms on the bathroom scales. Determine her weight in pounds.