Name: _____ Multiplying and Dividing Decimal Word Problems

1. Sid used 23 cups of sugar for 100 cookies. He divides to find how many cups of sugar were used for one cookie. Circle the quotient with the decimal point in the correct place.

a. 2.3 cups

b. 0.023 cup

c. 23.0 cup

d. 0.23 cup

$$100 \overline{)\,23.00} = 0.23$$

$-200$

$300$

2. Mo runs 4.6 miles each day. About how much will he run in 8 days if he runs the same distance each day?

a. 48 miles

b. 41 miles

c. 12 miles

d. 56 miles

no answer

$4.6 \times 8 =$

$46 \times 8 = 368$, $= 36.8$

36.8 miles

3. Beth spent $ 8. 75 at the Raider Shop, and Jack spent 4 times as much, how much did Jack spend?

$8.75 \times 4$

$875 \times 4 = 3500$, $= \$35.00$

4. Brianna swam 87.00 meters in 12 days. What is her average distance per day?

$12 \overline{)\,87.00} = 7.25$

$-84$

$30$

$-24$

$60$

7.25 meters per day

5. Sarah is making a dress. She has a ribbon 25.5 yards in length and cuts it into 5 equal pieces. How long is each piece?

$5 \overline{)\,25.5} = 5.1$

$-25$

$05$

5.1 yards each

Quiz on Multiplication and Division – after Gasoline Project.
Show ALL work for EACH problem.

Key

1) $2.04 x 8 =

$16.32

2) 196 x 17 =

3,332

3) 825 x 23 =

18,975

4) $6.00 x 9 =

$54.00

5) John's printer prints 2.3 pages per minute.
How many pages will the printer print in one hour?

2.3 × 60 =

138 pages

Divide. Work all the way to the end so the remainder is a decimal.

6) $6\overline{)16.2}$

2.7
-12
42

2.7

7) $12\overline{)48.96}$

4.08
-48↓
09
-0↓
96
-96
0

4.08

8) $7.50 ÷ 15

0.50
15 | 7.50
-75
0

= $0.50

9) If a 32 ounce bottle of juice costs $3.84, how much does it cost for just one ounce of it?

0.12
32 | 3.84
-32
64

$0.12

10) If I had 8 bottles of Gatorade and each one has 16 ounces, how many ounces do I have altogether?

16
x 8

128 ounces