

HW: McQuiz Corrections

Warm up:

Solve.

$$1) \frac{0.05x}{0.05} = \frac{12}{0.05}$$

$$x = 240$$

$$\frac{2x}{2} = \frac{10}{2}$$

$$x = 5$$

$$2) \frac{0.0009x}{0.0009} = \frac{50}{0.0009}$$

$$x = 55555.\overline{5555}$$

$$\approx 55555.56$$

McQuiz Solutions

For each problem you lost points on...

On a separate sheet of paper:

-Correct work and answer

-Complete sentences explaining what you did wrong and how to solve the problem correctly

1) -9

5) $1 \frac{1}{6}$

2) -3

6) -2.78

3) -28

7) \$7/lb

4) -9

What is 16% of 82?

$$\frac{\%}{100} = \frac{\text{is}}{\text{of}}$$

~~$$\frac{16}{100} = \frac{x}{82}$$~~

$$\frac{100x}{100} = \frac{1312}{100}$$
$$x = 13.12$$

$$\frac{16}{100} \cdot 82$$

$$0.16 \cdot 82$$

$$13.12$$

$$\frac{3}{4} \text{ of } 62 = \frac{3}{4} \cdot 62$$

$$\frac{1}{2} \text{ of } 62 = \frac{1}{2} \cdot 62 = \frac{62}{2}$$

$$\frac{1}{3} \text{ of } 91 = \frac{1}{3} \cdot 91$$

(% as a decimal)(of) = (is)

38% of 49

0.38(49)

18.62

What is 140% of 85?

(% as a decimal) (of) = (is)

1.40(85)

119

79 is what percent of 250?

(% as a decimal) (of) = (is)

$$p \cdot 250 = 79$$

31.6%

$$\frac{250p}{250} = \frac{79}{250}$$

$$p = 0.316$$

82 is 90% of what number?

(% as a decimal) (of) = (is)

$$\underline{0.9x = 82}$$

$$\underline{0.9 \quad 0.9}$$

$$x = 91.111111\bar{1}$$

$$\approx 91.11$$

In a recent survey, 216 people, or 54% of the sample, said they usually went to a family restaurant when they went out to eat. How many people were surveyed?

$$\frac{0.54x = 216}{0.54 \quad 0.54}$$
$$x = 400$$

400 people

Mark agreed to pay a realtor 6.5% commission for selling his house. If the house sold for \$68,900, how much does Mark have after paying the realtor's commission?

~ 6.5%

$$0.065(68900) = 4478.5$$

$$68900 - 4478.50$$

$$\$64421.50$$