

NAME: _____

Decimals
Quiz 1
“Introduction to Decimals”

- 1.) Write this decimal in *words*: 12.025
- 2.) Write this as a decimal: “three and twelve hundredths”
- 3.) Write this decimal in fractional form (reduce if possible): 0.28
- 4.) Change this fraction $\frac{9}{32}$ to decimal form. (Do not round your answer)
- 5.) Change $2\frac{3}{8}$ to decimal form. (Do not round your answer)
- 6.) Write the following decimal as a fraction with a denominator of 32: **0.3169**
- 7.) Write the following decimal as a fraction with a denominator of 16: **2.835**
- 8.) Arrange this list of decimals in order from smallest (left) to largest (right):
0.095 0.8 0.085 0.79
- 9.) Compare the two given numbers below. Which is larger?
 $\frac{7}{8}$ 0.88
- 10.) Rounding to the *nearest penny* means rounding to (**one / two / three**) decimal places.

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Quiz 2
“Computing with Decimals”

Directions: *Where applicable, show your work used to arrive at your answer.*

- 1.) $125.21 \times 1.5 = ?$ (round answer to the nearest hundredth)

- 2.) $10.321 + 5.5 - 0.77 = ?$ (round answer to the nearest tenth)

- 3.) $295 \div 45,000 = ?$ (round answer to the nearest thousandth)

- 4.) In three hours, the personnel manager interviewed four job candidates. What was the average amount of time (in minutes) the manager spent with each job candidate? (nearest tenth of a minute)

- 5.) Mavis Car Rental charges \$16.50 per day plus \$0.14 per mile for a mid-size car. If you rented this car for three days and drove 288 miles, how much will you pay in rental charges? (nearest penny)

- 6.) Bill runs almost every day for exercise. For this week, determine his average daily mileage. (nearest tenth of a mile)

Monday - 4.5 miles	Tuesday - 3 mi	Wednesday - 4.5 mi
Thursday - 2 mi	Friday - 0 mi	Saturday - 2.5 mi
	Sunday - 1 mi	

- 7.) The state income tax on your business is \$850 plus 0.075 times your profit. If your business made a profit of \$12,500 this year, how much income tax do you have to pay?
Also: How much tax would you have to pay if your business lost \$2,200 this year?

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8.) Willy bought a used car for \$5,575. He made a down payment of \$1,300. He paid off the amount remaining by paying \$130 per month for the next three years. What is the total amount of money he paid on the car after three years?

9.) You can determine the AREA of a rectangular-shaped room by multiplying the *LENGTH* by the *WIDTH*.

a) Determine the AREA of a rectangular-shaped room that is 6.2 yards long and 4.6 yards wide.

Answer: _____ square yards (nearest tenth)

b) How much would it cost to do this room if carpet costs \$19.85 per square yard, and installation costs \$2.50 per square yard?

Answer: \$ _____ (nearest penny)

10.) How much will Gayle earn for one week's work if she puts in 45.25 hours? Her regular pay is \$8.60 per hour. Any work above and beyond 40 hrs qualifies for overtime, which is calculated at time-and-a-half. (*Hint: Do not do any rounding until the very last step.*)

Answer: \$ _____ (nearest penny)