

NAME: _____

Percents
Quiz 1
“Introduction to Percents”

1.) Change each percent to decimal form. Do not round your answers.

a) $7.2\% =$ _____

b) $124\% =$ _____

c) $25\% =$ _____

d) $0.38\% =$ _____

2.) Change each decimal to percent form. Do not round your answers.

a) $0.46 =$ _____

b) $0.022 =$ _____

c) $1.09 =$ _____

3.) Write $\frac{3}{8}$ in percent form. Round to the nearest tenth of a percent.

For problems #4, 5, and 6, underline the specified component (PART, BASE, or RATE)

4.) **PART** “On a 30 question exam, Joe got 28 correct. His exam score is 93%.”

5.) **RATE** “On a \$125 purchase, Darrell owes \$6.88 in tax since the sales tax in Buffalo County is 5.5%.”

6.) **BASE** “Last year Paula earned \$24,000; 28% of that, or \$6720, went to income tax.”

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Quiz 2
“Computing with Percents”

- 1.) What is 5.5% of \$160? (Round to the nearest penny)

- 2.) 10 out of 12 is what percent? (Round to nearest tenth of a percent)

- 3.) 20 is 15% of what number? (Round your answer to the nearest tenth)

- 4.) How much tax would you owe on a \$40 purchase if the sales tax rate is 6.5%?
\$_____ (nearest penny)

- 5.) A car dealer got a shipment of 13 new minivans. By the end of the month, 8 were sold. What percent of the shipment was sold by the end of the month?
_____ (nearest tenth of a percent)

- 6.) 45 employees, which is 30% of the total workforce, have been with Rainbow Corporation for more than 5 years. What is the size of the company’s workforce?
_____ (whole number answer)

- 7.) Of his \$28,000 per year salary, Rex spends \$7,100 on house payments. What percent of his annual salary goes toward house payments?
_____ (nearest tenth of a percent)

- 8.) Last month, Honest Tim’s Used Cars sold 19 vehicles. This month the dealer sold 24. What is the percent increase in vehicle sales?
_____ (nearest tenth of a percent)

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9.) A computer printer has a retail price of \$295. It is on sale for 10% off. Since it is a discontinued model, you can also get an additional 15% off. What will be the price of the printer after the two discounts are applied?

\$_____ (nearest penny)

10.) A watch costs a jewelry store \$65. The store sells it for \$120. What is the percent markup?

_____ (nearest tenth of a percent)

11.) The Dimwatt Light Bulb Company recently has been able to lower its cost to manufacture bulbs from \$0.18 to \$0.14 each. What is the percent decrease in the bulb cost?

_____ (nearest tenth of a percent)

12.) As a salesperson, Roscoe gets paid a fixed amount of \$250 per week. He also earns 2.5% of his total weekly sales. How much will he earn this week if he sells \$12,000 worth of merchandise?

\$_____ (nearest penny)

13.) If a store applies a markup of 40% on an item that costs \$85, what will be the item's selling price?

\$_____ (nearest penny)

14.) Before installing new CNC machine, a company could manufacture 350 sets of engine pistons per day. Now they produce 220 more sets per day. What is the percent increase in production capability?

_____ (nearest tenth of a percent)