

Chapter 4 Review

For #1 to #5, choose the correct answer. Show your work.

1. What is 78.2% as a decimal?

- A 0.782 B 7.82 C 78.2 D 782

2. If you scored $\frac{3}{16}$ on a test, what is your percent?

- A 1.875% B 18.75% C 187.5% D 1875%

3. What is 12.5% as a fraction in lowest terms?

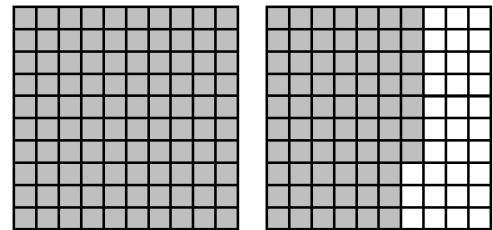
- A $\frac{1}{8}$ B $\frac{3}{16}$ C $\frac{1}{4}$ D $\frac{3}{8}$

4. What is 3.194 as a percent?

- A 3.194% B 31.94% C 319.4% D 3194%

5. What percent does the diagram represent?

- A 0.167%
B 1.67%
C 16.7%
D 167%



6. Complete each of the following: (Fractions in Lowest Terms!)

a) **Given** 48% (**percent**): convert it to a decimal and a fraction

b) **Given** 3.5 (**decimal**): convert it to a percent and a fraction

c) **Given** $\frac{4}{5}$ (**fraction**): convert it to a decimal and a percent

7. Determine the following. Write your answer to the nearest tenth.

a) 94% of 63

b) 146.3% of 300

c) 7 out of 12 as a percent

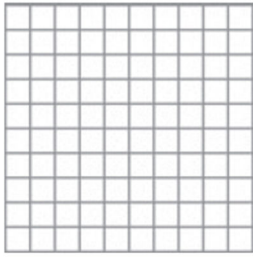
d) 18 out of 80 as a percent

e) 60% of 78

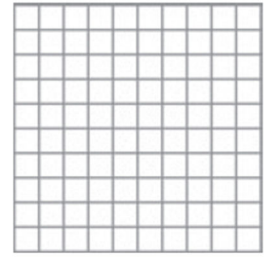
f) 0.05% of 1000

8. Use hundred grids to represent each percent.

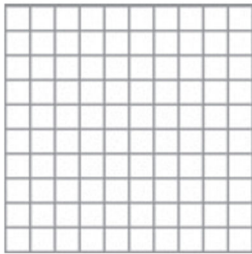
a) 50.2%



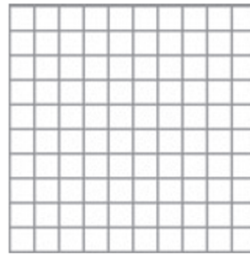
b) 110%



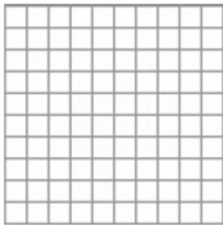
c) $10\frac{2}{5}\%$



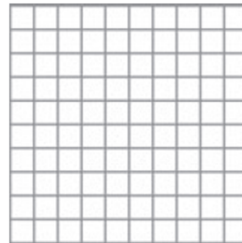
d) 33.3%



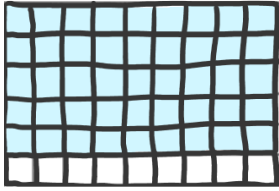
e) $\frac{2}{3}\%$



b) 94.5%



9. What is the following as a percent, decimal and fraction?



10. During this basketball season, Trey took 250 shots and made 72 baskets. What was his shooting percentage for baskets made?

11. a. If you spend \$324 at Costco, what is your final bill after 12% taxes are added?

b. A pair of jeans is listed at 20% off. If the regular price of the jeans is \$54.95, what is your bill after 12% taxes?

c. A bus company offers a 15% discount on bus tickets. Then, an additional **10% off the sale price** the next day. Lily wants to buy a bus ticket that has a regular price of \$175. What will she pay for it after both the discounts? *cannot combine sale percents*



12. a. What is your final bill after 12% taxes, if you buy two t-shirts, one hoodie, and one cell phone?

b. Each item is offered at a 25% discount, and you have \$250 saved from your birthday money. Can you afford to buy a pair of jeans, a game system, a jacket, and 3 DVDs? Don't forget to include 12% in taxes.