Review for Ch.2 Fractions, Decimals, and Percent

**You must show your work!!!!!

Circle the correct letter for each question.

1. What is 3.8% written as a decimal?



B. 0.38

C. 38

D. 380



2. The original price of a pair of jeans is \$32. The sale price is 15% off the original price. What is the amount off the original price?

A. \$1.75

B. \$4.80

C. \$5.25

D. \$15

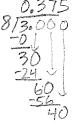
15% = 0.15 $\frac{32}{1.60}$ $\frac{32.0}{1.80}$ 3. What is the order of 75%, $\frac{1}{3}$, $\frac{3}{8}$, and 0.625 from least to greatest?

F. $\frac{1}{3}$, 75%, 0.625

G. $\frac{3}{8}$, $\frac{1}{3}$, 75%, 0.625

O. 625 $\frac{1.\frac{1}{3}}{3}$, 0.625, 75% original price?

$$\mathbf{H} \cdot \frac{3}{7}, \frac{1}{7}, 0.625, 75\%$$



4. What is 14.06 written as a mixed number?

A. $14\frac{6}{10}$ **B.** $14\frac{3}{5}$ **C.** $14\frac{3}{25}$

5. Jim has answered 7 E-mails. This is 35% of the E-mails he must answer. How many E-mails does he need to answer?

F. 20

G. 13

I. 5

$$\frac{1}{100} = \frac{35}{100} = \frac{7}{100} = \frac{7$$

6. In a load of laundry, 60% of the socks are white. If there are 25 socks in the load, how many are white?

A. 12 socks

(B. 15 socks) C. 20 socks

D. 25 socks

$$\frac{Part}{Whole} = \frac{60 \div 4}{100 \div 4} \times \frac{X}{25} = 15$$

7. What is $4\frac{7}{20}$ written as a decimal?

F. 4.28
$$\frac{7}{30} *^{5} = \frac{35}{100}$$

$$\frac{7}{20} \stackrel{*5}{}_{*5} = \frac{35}{100} + .35$$

8. What is 12.5% written as a fraction in simplest form?

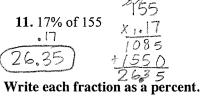
A.
$$\frac{125}{1,000}$$
 B. $\frac{1}{8}$ C. $\frac{3}{25}$ D. $\frac{5}{4}$

$$\frac{1}{25}$$
 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{25}$ $\frac{1}{25}$ $\frac{1}{25}$ $\frac{1}{25}$

9. What is 0.12% written as a decimal?

10. In addition to oxygen, several gasses are in air. Carbon dioxide makes up 0.00039 of air. What is 0,00039 written as a percent?

Find the percent of each number.



13.
$$\frac{47 \times 2}{50 \times 2} = \frac{94}{100}$$

14.
$$\frac{4}{25} \times 4 = \frac{16}{100}$$

= $\frac{16\%}{0}$

Write each percent as a decimal AND fraction in simplest form.

16. 0.065%
$$0.00065$$
 $65 = \frac{13}{100,000} = \frac{13}{5}$

17. The original price of a DVD is \$11. The sale price is 30% off the original price.

How much is the discount?

What is the sale price of the DVD?