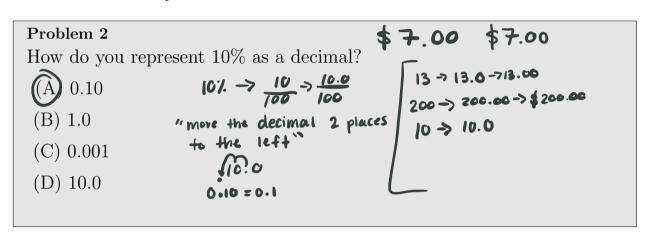
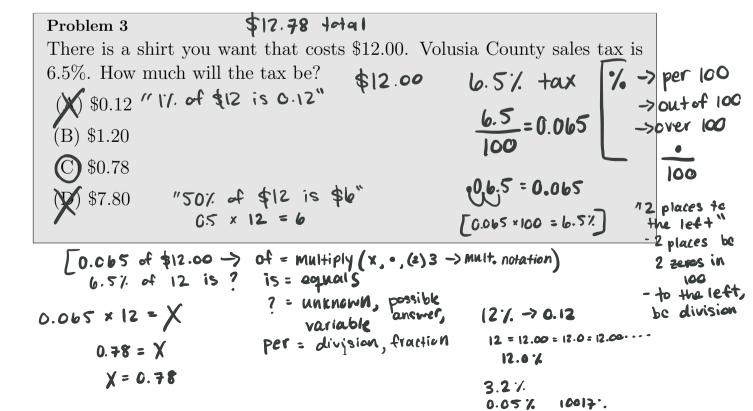


107%, 13%, 5.5%





Problem #1

· Representing a percentage as a fraction

$$10\% = \frac{10}{100} \cdot 10/100$$
, $7.5\% = \frac{7.5}{100}$, $0.002\% = \frac{0.002}{100}$

• Are there other fractions?
$$10\% \rightarrow 10 = \frac{1}{100}$$

70% \rightarrow $\frac{70}{100}$ = $\frac{20\div70}{100\div70}$ = $\frac{1}{5}$ =

$$\frac{20}{100} = \frac{20 \div 5}{100 \div 5} = \frac{4}{20}$$

$$\frac{4}{20} = \frac{X}{100}$$
, $X = 20$

List in order, from smallest to largest

· 0.25 and 1.5 are both decimals 0.25 < 1.5 * inequality signs by "less than"

* Reducing

/ lowest

fractions

* Factors of 20: 1,2,4,5,10,20 20: | x 20 = 20 1

* Greatest common factor

4 Commutative Property

* Cross multiply

$$\frac{3}{8} \text{ is less than } 50\%$$

$$\frac{4}{8} = \frac{1}{2} \implies 50\%$$

11 3 is more than a quarter "

· Convert
$$50\%$$
 \rightarrow 0.50 $\frac{3}{4}$ of a tank $\stackrel{\circ}{}$ · Convert $\frac{3}{4}$ \rightarrow 0.75 $\stackrel{\circ}{}$ 4 $\stackrel{\circ}{}$ 3 quarters of

"
$$\frac{3}{4}$$
 of a tank"

"3 quarters of a tank" " 1/4 of a tank" guarter of a tank

Moving the decimal
Convert to a fraction, calculator 3.2%

- Moving the decimal -

3.2%. © 3.2 divided by 100 @ More decimal to the left *WHY? Division

3 Move 2 places to the left * WHY? 2 zeros in 100

0.03.2} 0.032

- Convert to fraction (calculator)

3.2% © $\frac{3.2}{600}$ © 0.032

107%, 13%, 5.5%. [%] dividing by 100]

107%. "107 percent"

107 divided by 100

107 \neq 100

107 \neq 100

107 \neq 100

13% \Rightarrow \Rightarrow 5.5%. \Rightarrow 5.5%. \Rightarrow 5.5%. \Rightarrow 5.5%. \Rightarrow 5.5%.

\$ 4.99 x 0.065 = 0.32

\$ 5.50 x 0.065 = 0.36

\$ 1.99 x0,065=0.13

Rounding Note

Total \$ 0.81

Problem 4

Including tax, what is the total amount you'll pay for the shirt in problem #3?

- (A) \$12.12
- (B) \$12.00
- (C) \$13.78
- (D) \$12.78

Problem 5

Yesterday, Rashed went to the grocery store to buy a few things. Some \$0.65 items were taxed at 6.5%, and some items were not taxed.

				U
Wa	ater	\$2.99	not taxed	
6 x Ap	ples	\$0.75	not taxed	
7x Paper	Towels	\$4.99	taxed	•
Sc	oup	\$2.00	not taxed	
So	cks	\$5.50	taxed	
Birthda	ay Card	\$1.99	taxed	

How much tax did Rashed end up paying?

What was the total amount that Rashed spent at the store?

* Ignaring tox/not toxed

-What is your total

discount

Adding up the cost of all items
\$26.96

3 22.1. Discount of ow total bill 22.1. = 0.22 * \$26.96 = \$5.93

What is 22% of 26.96? 5.93 5.93 = 0.22 × 26.96 5.93 = X · 26.96

G Apply the discount: Total = 22% discount 26.96 - 5.93 = 21.03

