Warm Up

Shelly has a total of \$32.18 worth of toys to buy. The sales tax in the state of RI is 7%.

What is her total amount owed at the register?

6.5 Using the Percent Equation

** must convert % number to a decimal

7 7 = 0.07

Ex 1 Finding the Part

- a) Find 15% of \$160 $X = 0.15 \cdot 160$ $\frac{160}{2400}$
- b) Find 110% of 80 cases

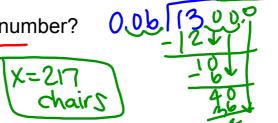
$$\frac{X=88 \text{ cases}}{X=1.1\cdot 80}$$

c) Find 0.4% of 250 patients

Ex 2 Solving for the Whole

 $\frac{13 = 0.06 \cdot x}{0.06}$

a) 13 chairs is 6% of what number?

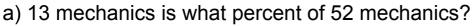


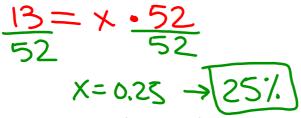
0085 102 000

- b) 119 students is 15% of what number of students?
- c) <u>8 1/2</u>, % of what number is 102? **8.5** /.

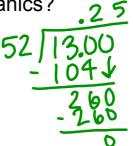
$$0.085 \cdot X = 102 \times -1200$$

Ex 3 Finding the Percent





b) What percent of \$500 is \$100?



5230

c) 6 ladders is what percent of 1200 ladders?

CAUTION!!!

You Try! Find the missing piece part = percent whole

- (a) 15% of 880 policyholders
- (b) 34 post office boxes is what percent of 85 post office boxes?
- (c) 666 inoculations is 45% of what number of inoculations?