6.1 Basics of Percents

Percent means <u>per one hundred</u>
The % sign is used to show the <u>parts / one</u> hundred parts

Ex 1 Understanding Percents

- a) If 43 out of 100 students are men then... 43 / men
- b) If a person pays a tax of \$7 on every \$100 spend, then the tax...

7%

Percents as Decimals

#% means

Ways to achieve this....

Method 1

#:100 Method 2 move decimal LEFT

reduce 2 spots (1, 7 Dec)

Ex 2 Writing Percents as Decimals

0.46 a) 46%

b) 28.2 % 0.287

move decimal

RIGHT 2 spots

(Dec > /)
(0)/d 100000

Turning a decimal into a percent

$$0.35.8$$
 $\frac{358}{1000} = \frac{100}{100}$

Ex 3 Write a decimal as a percent

- a) 0.529 52.9 /
- b) 1.92
 - 192%

Ex 4 Finding 100%, 200%, 300%

a) 100% of 82 people everything

82 people

b) 200% of \$63 x2 double

c) 300% of 32 employees

29 employees

Ex 5 Finding 50%, 10%, 1%

a) 50% of 24 hours

12 hours 28\$
28 people
\$5.40

b)10% of 280 people

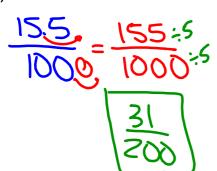
c) 1% of \$540

6.2 Percents and Fractions

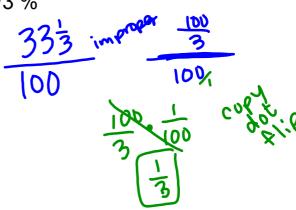
Ex 1 Write Percents as Fractions (in lowest terms)

Ex 2 Write Decimal or Fractions Percents

a) 15.5%



b) 33 1/3 %

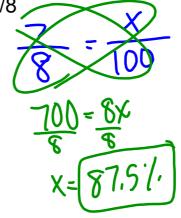


Ex 3 Writing Fractions as Percents

a) 3/5

$$\frac{3 \times 20}{5} = \frac{60}{100}$$

b) 7/8



700,0 -640 -964 40