You need out your warm up, calculator & agenda

Homework: Tax & Tip

Opening: Direct Variation? If so what is k? 1.

y	x	2	4	6	9	<u> </u>
X	У	10 5	12 3	14 2.3	19	X
2.		105	4	14		find K
	X	3	6	9		K _
	у	18	6 36	6 54	6	y=Kx
3. N	Multiply; C).15 • 35	36	<u>5</u>	1	*SX
	35	5	.55/5	.25)5	9 3. S	
	TOE	-		713	· フ	
	350	C	2.25			

100% 0/0 to decimal a places left

(1) 62, % = .625

(3) 6, % = .06

Sales Tax and Tipping-Notes

Percent of: 1) Turn the percent into a decimal 2) Multiply

find 30% of 150

find 4% of 60



- 1) Change the % to a decimal (move 2 spaces) 2) Find the sale tax amount (x)
 - **3)** Add the sales tax to the original price. (+)

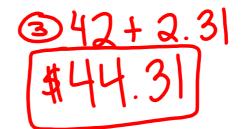
Example:

Drew buys new exercise equipment that costs \$140. The sales tax is 5.75%. What is the total cost of the equipment? Let t represent the sales tax

- 1) $t = 0.0575 \times 140$ -> we know that 5.75% is 0.0575 as a decimal
- 2) t = 8.05
- 3) final price = 140 + 8.50 = \$148.50 -> add the original price and tax together

you Try!

1. What is the total cost of a sweatshirt that costs \$42 and the sales tax is 5.5%?



2. \$46 for a pair of shoes. Sales tax is 2.9%

$$246 \times .029$$

 $t=1.33$



Tipping:

- 1) Change the % to a decimal (move 2 spaces) 2) Find the tip amount (x)
 - 3) Add the tip to the original bill. (+)

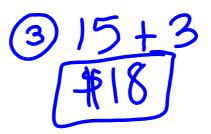
Example:

Your bill at a restaurant is \$35. You want to leave a 20% tip. Total bill?

- 1) $t = 0.20 \times 35$ -> we know that 20% as a decimal is .20
- **2)** t = 5.25
- 3) 35 + 5.25 = \$40.25 -> add the original bill plus the tip

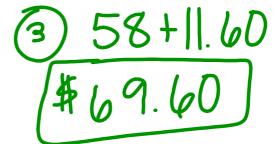
you Try!

- 1. A haircut cost \$20. How much is your total bill if you want to leave a 15% tip?
- - 2. Phil wants to tip the cab driver 20%. If his total commute costs \$15, what is the total cost?



3. \$58 dinner bill, 20% tip

2 58 x. 20 t=11.60 4. \$43 dinner with a 18% tip



Tax & Tip: (find the tax amount, then find the tip off the new total)

