

# **The Percent Equation**

# Solving percent problems using proportions.

# - = <u>100</u>

# = 100



What percent of 40 is 4? 1)



#### What number is 22% of 300 2)



3) 84 is 70% of what number?



### (Decimal Method)

# part = % • whole









# 1) What number is 20% of 110?





#### $a = p \bullet w$

2) The number 90 is 45% of what number?







## 3) 90 is what percent of 150?







4) A shoe salesperson sells a pair of shoes for \$60.The salesperson receives a 9% commission on the sale. How much is the commission?







## 5) 130 is 65% of what number?







## 6) 50 is what percent of 250?







7) A clothing salesperson sells a suit for \$350.The salesperson receives an 8% commission on the sale. How much is the commission?



• W

**a =** 

#### 8th Street Cafe

Date: Table: Server:	29	05:45PM	
Food Total Tax		27.50 1.65	
Subtotal		29.15	
TIP:			
TOTAL:			
Thank You			

a. Find the percent of sales tax on the food total.



#### a = p • w

#### 8th Street Cafe

Date: Table: Server:	29	05:45PM	
Food Total Tax Subtotal		27.50 1.65 29.15	
TIP:		29.15	
Total:	Thank You		

b. Find the amount of a 16% tip on the food total.