

The Percent Equation

Today's Learning Goals:

•Use the percent equation to find parts, wholes, and percents.

• Solve real-life problems.

Solving percent problems using proportions.



1) What percent of 40 is 4?



What number is 22% of 300 2)



84 is 70% of what number? 3)

HE PERCENT EQUATION

(Decimal Method)



а

Practice



1) What number is 20% of 110?

Practicepart = % • wholea = p • w2) The number 90 is 45% of what number?	Practicepart = % • whole a = p • w3) 90 is what percent of 150?
Practice part = % • whole a = p • w 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?	On Your Own a = p • w 5) 130 is 65% of what number?

On Your Own a = p • w 6) 50 is what percent of 250?		Practice part = % • whole a = p • w 7) A clothing salesperson sells a suit for \$350. The salesperson receives an 8% commission on the sale. How much is the commission?	
Application Sth Street Cafe Date: May04'13 05:45PM Table: 29 Server: Jane Food Total 27.50 Tax 1.65 Subtotal 29.15 TIP: Total: Thank You	$part = \% \cdot whole$ a = p \cdot w a. Find the percent of sales tax on the food total.	Application Sth Street Cafe Date: May04'13 05:45PM Table: 29 Server: Jane Food Total 27.50 Tax 1.65 Subtotal 29.15 IIP:	$part = \% \cdot whole$ a = p · w the amount of a 16% tip on the food total.

