

Percentages Review Sheet

- 1) Fill in *all* blank spaces in the following table. Values in a given row should all be equivalent.
Decimals and percentages can be rounded off after four figures if needed.

FRACTION (improper & reduced)		DECIMAL		PERCENTAGE
$\frac{1}{2}$	=	0.5	=	50%
	=	0.25	=	
$\frac{2}{3}$	=		=	
	=		=	3%
	=	1.1111...	=	
$\frac{7}{5}$	=		=	
	=		=	40%
	=	0.125	=	
$\frac{5}{12}$	=		=	
	=		=	155%
	=	3.8	=	
$\frac{37}{44}$	=		=	
	=		=	84%

<----free example

(over)

2) _____ is 30% of 50.

3) _____ is 22% of 90.

4) _____ is 19% of 12.

5) _____ is 150% of 97.

6) 50 is _____ % of 20.

7) 29 is _____ % of 80.

8) 91 is _____ % of 100.

9) 90 is _____ % of 101.

10) 12 is 20% of _____.

11) 20 is 12% of _____.

12) 100 is 150% of _____.

13) 23 is 23% of _____.

14) A quiz has 8 questions, and you get 5 of them right. What percentage did you get?

15) A quiz has 15 questions, and you must get 70% to pass. How many can you afford to miss?

16) Dora the Dwarven Paladin is wearing a suit of plate mail with an armor rating of 250. She's also wearing a magic pendant that gives her +10% to armor rating, and a magic bracelet that gives her +12% to armor rating. What is her total armor rating?

17) Ye Olde Magick Shoppe is having a 30% off sale on all rings in honor of St. Tolkien's Day. You also get a 15% employee discount because you work there. If a Ring of Invisibility normally costs 1000 gold coins, what is the final price with both discounts applied?

18) A sword costs 250 gold coins, plus 8% tax, but you get a 15% employee discount.

a) How much does the sword cost if the tax is applied first, then the discount?

b) How much does the sword cost if the discount is applied first, then the tax?

19) If you put \$1000 in a bank account that gives 1% interest *per month*...

a) ...how much money would you have in a month?

b) ...how much money would you have in a year?

c) ...how much money would you have in a hundred years?