

# Review

Learning  
by  
Doing

The following worksheet is a review of topics from:

- fractions
- percentages
- proportions
- measurement
- geometry
- data analysis
- algebra

Quiz 2	May 12, 2015 9:54AM	64%
Quiz 1	Mar 3, 2015 9:18AM	80%

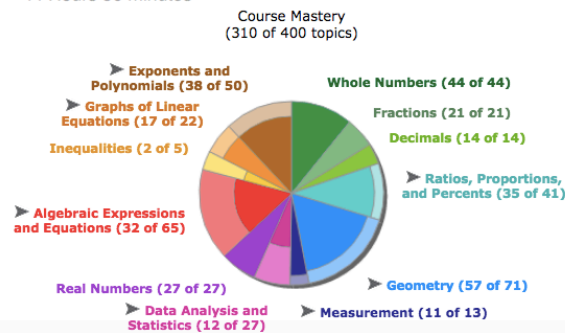
Badar, Talib Dad Mohammed Al Balushi, H00299075 - Pie Report

05/18/2015 Learning

05/18/2015 (last login date) Learning

Last login: 05/19/2015  
Enroll date: 02/08/2015  
Total Hours: 44 Hours 56 minutes

Hours/week: 3.2



- 1) What is the **AVERAGE** (mean) of your quiz 1 and quiz 2 scores?
- 2) What is **30%** of that number?
- 3) Assume you score **60%** on the final exam. What is **30%** of 60?

Consider the following equation that will be used to calculate your final grade:

$$0.30(\text{Average quiz score}) + 0.30(\text{Final exam score}) + 0.40(\text{Pie}) = \text{Final Grade}$$

4) Using the above equation, substitute your answers from question 2 and question 3 to write a simplified algebraic equation. Let  $P$  = your pie percentage. Let  $F$  = your final grade.

5) What does your pie percentage need to be in order to get 60 for your final grade?

6) What does your pie percentage need to be in order to get 70 for your final grade?

7) What does your pie percentage need to be in order to get 80 for your final grade?

8) How many topics do you want to add to your pie?

9) Let's say you have 5 more days... How many topics should you add per day?

## General questions about the pie:

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1) The whole number topics are what percent of the entire pie?

2) What is the angle measure of the algebra slice? What is the SUPPLEMENTARY angle to that angle?

3) What is the angle measure of the Exponents slice? What is the COMPLEMENTARY angle to that angle?

4) Here are the pie scores for another class:

**180, 220, 285, 310, 310, 362**

What is the mean?

What is the median?

What is the mode?

What is the range?

5) If I randomly picked one topic from the pie, what is the probability that it would be a topic from exponents?

6) What are the odds in favor of me picking a topic from either exponents or data analysis?

7) Suppose I want to print a poster on a square paper that is 0.8m on each side with this pie as big as possible on it?

What would be the diameter of the circle in cm?

What would be the radius of the circle in cm?

What would be the circumference in cm?

What is the perimeter of the poster in cm?

What is the area of the poster in square cm?

What would be the area of the pie in square cm?

How much of the paper would still be white?



8) Right now the pie has 400 topics. Suppose Mr. Dimitri wants to increase the total number of topics by 35% for next semester. How many topics will there be on the pie next semester?