



Ottocento Lesson #1 Percents Worksheet

Video Solutions at: <https://youtu.be/E9sAOPfGKsM>

Question 1

What is 25% of 168?

Question 2

What is 230% of 54?

Question 3

Out of 250 coins, 30% were dimes. How many of the coins were dimes?

Question 4

Of 16 shirts, 7 of them are purple. What fraction of the shirts are purple? What percentage of the shirts are purple?



Question 5

45 is $p\%$ of 160. What is the value of p ?

Question 6

60% of x is 315. What is x ?

Question 7

Find the percent multipliers for each of the following:

25% increase

41% decrease

593% increase

0.3% increase

2.6% decrease



Question 8

The population of a town was 430 thousand in 2015. In 2016, the population grew by 70% compared to the previous year. What was the population of the town, in thousands, during 2016?

Question 9

What is the result of decreasing 784 by 52%?

Question 10

Kyle went to buy a video game at the store. He used a 20% off coupon and there was a 6% sales tax applied at checkout. He paid \$42 at the register. What was the original price of the video game?



Question 11

The expression $0.26y$ represents the result of decreasing the quantity y by $p\%$.

What is the value of p ?

Question 12

The expression $6.82z$ represents the result of increasing the quantity z by $p\%$. What is the value of p ?



	Flower A	Flower B
Typical minimum # of petals	2	4
Typical maximum # of petals	5	7
Typical Life Span (months)	6	10

Question 13

Based on the table, the typical minimum # of petals for Flower B is $p\%$ more than the typical minimum # of petals for Flower A. What is the value of p ?

Question 14

Based on the table, the typical life span for Flower A is $p\%$ less than the typical life span for Flower B. What is the value of p ?



Question 15

A certain country had a child population of 35 million people. This child population was 40% of the total population. What is the total population, in millions of people?

Question 16

The final price of an item is x dollars after a 35% off coupon and a 7% sales tax were applied. Which of the following gives the original price in terms of x ?

[A] $x (0.35) (0.07)$

[B] $x (0.65) (1.07)$

[C] $\frac{x}{(0.65)(1.07)}$

[D] $\frac{x}{(1.35)(0.03)}$