

Solutions: Translating Problems with Percent Practice Problems

Now that you have completed the practice problems, review the solutions below to see how well you did.

For the following problems, find each indicated quantity.

- 1) A company was expecting no more than 74 hits per hour on their Web site. During the first day they averaged 266.4 hits per hour. 266.4 is what percent of 74?

Solution 360

- 2) A basic Web site is averaging 24.19 hits per minute. This is 41% of the allowable hits per minute. 24.19 is 41% of what number?

Solution 59

- 3) A pop-up box shows that after 48 minutes, a large file is only 16% downloaded. 48 minutes is 16% of what number?

Solution 300

- 4) 82.81 GB of space is used on an external hard drive. This is 91% of the total capacity. 82.81 is 91% of what number?

Solution 91

- 5) 890 MB of physical memory is being used. This is 20% of the computers physical memory capacity. 890 MB is 20% of what number?

Solution 4,450

- 6) Mike is downloading pictures onto his laptop. A pop-up box says that the 43.92 MB he is trying to download is 380% above the computers allowable free space. 43.92 MB is 480% of what number?

Solution 9.15

- 7) A pop-up box shows that downloading pictures onto the Walgreens Web site will take 62 minutes, and 85% of the download has been completed. What is 85% of 62?

Solution 52.7

- 8) Twitter allows 140 characters per message. Jeff wants to post a message that is 259 characters long. 259 is what percent of 140?

Solution 185

- 9) A new computer was advertised as having the ability to download 5.13 MB per second. When this computer was tested it only downloaded 0.6156 MB per second. 0.6156 is what percent of 5.13?

Solution 12

- 10) The computer shows that 0.41% of 291.1 MB of memory was used. What is 0.41% of 291.1?

Solution 1.19351

- 11) Greg knows that his email has used up too much space. The pop-up says he is at 225% of email capacity with 4,050 emails. 4,050 is 225% of what number?

Solution 1,800

- 12) A company's email system has the capacity to allot each user enough room for 2,000 emails. Jeff currently has 2,920 emails on his computer. 2,920 is what percent of 2,000?

Solution 146

- 13) 2.826 GB of space was used on a DVD-R with a 4.71 GB capacity. 2.826 is what percent of 4.71?

Solution 60

- 14) 583.2 KB of space is used on a CD that has a 729 KB capacity. 583.2 is what percent of 729?

Solution 80

- 15) The battery life of a tablet shows 31.25% of the total life has been used. The tablet has been used for 2.5 hours already. 2.5 hours is 31.25% of what number?

Solution 8 hours

Here are some additional practice problems to help you translate problems with percent.

- 1) What is 21% of 104?

Solution 21.84

- 2) What is 8% of 36?

Solution 2.88

- 3) What is 98% of 545?

Solution 534.1

- 4) What is 143% of 33?

Solution 47.19

- 5) What is 1.2% of 20?

Solution 0.24

- 6) 3.25 is what percent of 88?

Solution 3.69

- 7) 22.44 is what percent of 44?

Solution 51

- 8) 0.0036 is what percent of 0.03?

Solution 12

- 9) 31.2 is what percent of 26?

Solution 120

- 10) 2.4 is 24% of what number?

Solution 10

Resource:

Ellis, W., & Burzynski, D. (2010, August 18). Ratios and Rates: Percent. Retrieved from:
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