Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Percent Application Problems

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| 1. China’s area is about 3.7 million square miles. It is on the continent of Asia, which has an area of about 17.2 million square miles. About what percent of the Asian continent does China cover?  A. about 10%  B. about 15%  C. about 17%  D. about 22% | 2. In a survey, 46 people, which was 20% of those surveyed, chose red as their favorite color. How many people were surveyed?  A. 66 people  B. 230 people  C. 460 people  D. 920 people |
| 3. Craig just finished reading 120 pages of his history assignment. If the assignment is 125 pages, what percent has Craig read so far? | 4. Trevor and Michelle’s restaurant bill comes to $35.50. This is 20% of the amount in their bank account. How much money is in their bank account? |
| 5. In Las Vegas, Nevada, the skies are clear on 92% of the days. How many days in the month of June would you expect the skies to be clear in Las Vegas? | 6. In the Lakeview apartment complex, 35% of the apartments have one bedroom. If there are 63 one bedroom apartments, what is the total number of apartments at Lakeview? |
| 7. On the written portion of her driving test, Sara answered 84% of the questions correctly. If Sara answered 42 questions correctly, how many questions were on the driving test? | 8. In a certain small town, 65% of the adults are college graduates. How many of the 240 adults living in the town are college graduates? |
| 9. In the 2000 season, quarterback Jeff Blake of the New Orleans Saints had 9 passes intercepted out of 302 attempts. What percent of Jeff Blake’s passes were intercepted? Round to the nearest hundredth of a percent. | 10. A recent poll shows that 65% of adults are in favor of increased funding for education. The number of adults surveyed for the poll was 140. How many of the adults surveyed were in favor of increased funding? |
| 11. Mike’s rosebush had 24 blooms in the first week of May. This was 80% as many blooms as Tammy’s rosebush had during the same period. How many blooms did Tammy’s rosebush have? | 12. There are 245 students in the seventh grade. If 40% of them ride the bus to school, how many seventh graders do not ride the bus to school?  A. 98 students  B. 147 students  C. 185 students  D. 205 students |
| 13. A half-cup of pancake mix has 5% of the total daily allowance of cholesterol. The total daily allowance of cholesterol is 300mg. How much cholesterol does a half-cup of pancake mix have?  A. 100mg  B. 60mg  C. 20mg  D. 15mg | 14. Carey needs $45 to buy her mother a birthday present. She has saved 22% of the amount so far. How much more does she need?  A. $35.10  B. $44.01  C. $23.00  D. $9.90 |
| 15. The student population at King Middle School is 52% female. The total student population is 1225 students. How many boys go to King Middle School?  A. 538 boys  B. 588 boys  C. 637 boys  D. 1173 boys |  |