

LESSON **7** **Proportional Relationships**
Practice C: Percent of a Number

Find the percent of each number. Round answers to the nearest tenth, if necessary.

- | | | | |
|--------------------------|-------------------------|---------------------------|--------------------------|
| 1. 67% of 131
_____ | 2. 19% of 73
_____ | 3. 7% of 129
_____ | 4. 1.1% of 67
_____ |
| 5. 128% of 75
_____ | 6. 227% of 183
_____ | 7. 159% of 271
_____ | 8. 271% of 159
_____ |
| 9. 17% of 91
_____ | 10. 23% of 77
_____ | 11. 7% of 153
_____ | 12. 7.3% of 73
_____ |
| 13. 1.95% of 65
_____ | 14. 137% of 81
_____ | 15. 0.03% of 532
_____ | 16. 541% of 132
_____ |

Solve.

- | | |
|---|--|
| 17. What number is 55% of 250?
_____ | 18. 39% of 115 is what number?
_____ |
| 19. 6% of 95 is what number?
_____ | 20. What number is 80% of 860?
_____ |
| 21. What number is 41% of 308?
_____ | 22. 125% of 425 is what number?
_____ |
| 23. 300% of 57 is what number?
_____ | 24. What number is 180% of 110?
_____ |
25. In 2004, there were 10,649 commercial radio stations in the United States. About 19.22% of those stations were devoted to country music. About how many country music radio stations were there in 2004?

LESSON **Proportional Relationships**

7 **Challenge: Percent Puzzler**

Use the percent clues to find each number below.

1. This number is 8 more than $83\frac{1}{2}\%$ of 20. _____
2. This number is 5 less than 28% of 292. _____
3. This number is equal to the sum of 4% of 75 and $32\frac{1}{2}\%$ of 64. _____
4. This number is 7.82 more than $15\frac{3}{4}\%$ of 320. _____
5. This number is equal to the sum of 52% of 86 and 35% of 52. _____
6. This number is equal to the product of 8% of 75 and 12% of 60. _____
7. This number is equal to the sum of 5% of 125 and $55\frac{1}{2}\%$ of 20. _____
8. This number is equal to the product of 24% of 225 and $3\frac{1}{5}\%$ of 45. _____
9. This number is equal to the sum of $9\frac{3}{10}\%$ of 110 and $38\frac{1}{4}\%$ of 124. _____
10. This number is 23.04 less than $14\frac{1}{2}\%$ of 768. _____
11. This number is 50.21 more than the sum of
 $15\frac{1}{2}\%$ of 42 and 64% of 112. _____
12. This number is equal to the difference of
 150% of 85 and 280% of 0.3. _____
13. This number is equal to the square of $7\frac{1}{2}\%$ of 160. _____
14. This number is 6.8 less than the product of 5 and 8% of 517. _____