

LESSON

7

Proportional Relationships**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.