



## ACT COMPASS Preparation Worksheet

### Pre-algebra: Percentages

1. What is 40% of 164? **65.6**
2. 90 is 75% of what? **120**
3. 44 is what percent of 132? **33 1/3%**
4. What is 85% of 600? **510**
5. 5.5% of what number is 32.01? **582**
6. 1.5 is what percent of 3? **50%**
7. What is 50% of 0.01? **0.005**
8. 16% of what number is 12? **75**
9.  $\frac{1}{3}$  is what percent of  $\frac{2}{3}$ ? **50%**
10. What is 5% of 34? **1.7**
11. 0.5% of what is 0.0125? **2.5**
12. 17 is what percent of 51? **33 1/3%**
13. 50% of 188 is what? **94**
14. 63% of what is 315? **500**
15. 25 is what percent of 300? **8 1/3%**
16. Tom scored 28 out of 80 on his spelling test. What percentage did he answer correctly? **35%**
17. A store received 7,425 oranges and then sold 27  $\frac{1}{2}$ % of them. How many oranges are left? **5,383 oranges**
18. Ten years ago a small town had a population of 4,900. Since that time, it has increased by 24%. What is the current population? **6,076 people**
19. Tom saved \$3,762. His sister, June, saved 38% less than Tom. How much did June save? **\$2,332.44**
20. A group of sixth graders collected \$1,990 for a party. They spent 10% of it on decorations, 20% on snacks, and the rest of the money was donated to the library. How much money did the library

receive from these sixth graders? **\$1,393.00**

21. 46 students went on a field trip; this group accounted for 70% of the total number of kids in the first grade. Find the total number of first graders. **66 first graders**
22. A store spent 11% of its monthly profits remodeling the store. This remodeling cost them \$1,500. What was the store's monthly profit? **\$13,636.36**

**Created by Stephanie Braun, Academic Skills Center Manager, on 5/3/2010**