

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Solve for the variable in these word problems.**

**See ASG, p. 251**

- 1) Two more than three times a number equals eleven. \_\_\_\_\_
- 2) Five times the quantity of one less than two times a number equals twenty-five. \_\_\_\_\_
- 3) Thirteen times a number equals four times the quantity of five more than two times the number. \_\_\_\_\_
- 4) Four times the quantity of six more than twice a number equals twice the number. \_\_\_\_\_
- 5) Three more than two times a number equals six more than the opposite of the number. \_\_\_\_\_
- 6) Six more than four times a number equals eight less than three times the number. \_\_\_\_\_
- 7) Four times the quantity of eight less than the opposite of a number is three more than three times the number. \_\_\_\_\_
- 8) Seven times the quantity of twenty less than four times a number is eight times the number. \_\_\_\_\_
- 9) Five times the quantity of six less than a number is two times the quantity of three more than the number. \_\_\_\_\_
- 10) Four less than ten times a number is fourteen times the number. \_\_\_\_\_

**Solve these percent word problems.**

**See ASG, p. 252**

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|------------------------------------|-------------------------------------|
| 1) What percent of 60 is 12? _____ | 6) What percent of 40 is 36? _____  |
| 2) What percent of 50 is 5? _____  | 7) 76 is what percent of 100? _____ |
| 3) 4 is what percent of 200? _____ | 8) 54 is what percent of 27? _____  |
| 4) What percent of 56 is 14? _____ | 9) What percent of 5 is 2? _____    |
| 5) 45 is what percent of 36? _____ | 10) 24 is what percent of 30? _____ |