Translating Sentences to Equations

Name _____

Date _____ Period _____

Translate each sentence into an equation. Use n to represent the number.

1. The sum of a number and 7 is 35. $n + 7 = 35$

2. Five more than a number is 17.

3. Five is 6 less than twice a number.

4. If seven is subtracted from six times a number, the result is 10.

5. Ten more than a number is 62.

6. The product of three times a number and twelve is twenty.

7. One-half of a number equals sixteen.

8. The sum of a number and thirteen is 22.

9. The sum of four and twice a number is 52.

10. Ten times a number is 420.

11. Five times a number is 120.

12. The sum of five and twice a number is 17.

13. If 3 times a number is decreased by 12, the result is 5.

14. Five more than a number is seventeen.

15. The product of 6 times a number and fifteen is forty-two.

16. If 5 times a number is decreased by 12, the difference is 9.

Developing Skills in Algebra   Book A

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Translate each sentence into an equation. Use *n* to represent the number.

1. One-third of a number is 12 less than the number itself. $\frac{1}{3}n = n - 12$

2. Twice a number divided by 6 is 42.

3. Four less than a number, multiplied by 6, is 25.

4. One-half of a number is 7 less than the number itself.

5. Forty-five divided by a number is 5.

6. Seven more than one-third of a number is 15.

7. Five more than one-third of a number is 18.

8. Nine less than 3 times a number, divided by four, is 21.

9. Twice a number divided by 4 is 25.

10. Twelve more than a number, divided by 3, is 9.

11. The sum of a number and 3, divided by 5, is 2 more than the number.

12. Sixteen more than five times a number is 24.

13. Six more than one-fourth of a number is 15.

14. Five times two less than a number equals seventeen.

15. If the sum of a number and 7 is divided by 2, the result is 19.

16. If the sum of a number and 7 is divided by 4, the result is 19 more than the number.