**6-4 Lesson Notes**

**Instructional Resources**
- Study Guide Masters, p. 45
- Practice Masters, p. 45
- Enrichment Masters, p. 45
- Transparencies 6-4, A and B
- Assessment and Evaluation Masters, pp. 154, 155
- Classroom Games, pp. 17–20
- CD-ROM Program
- Resource Lesson 6-4

**Recommended Pacing**
- Standard: Day 8 of 13
- Honors: Day 7 of 12
- Block: Day 4 of 7

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**6-4**

**Writing Expressions and Equations**

**What you'll learn**

You'll learn to write simple algebraic expressions and equations from verbal phrases and sentences.

**When am I ever going to use this?**

You'll use algebraic expressions when you work with spreadsheets.

**Word Wise**

defining the variable

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**Example**

1. Write each phrase as an algebraic expression.
   - a. three runs less than the Pirates scored
     
     Let $r$ represent the number of runs the Pirates scored. The word "less than" suggests subtraction. So, the expression is $r - 3$.
   - b. twice as many tomatoes as last year
     
     Let $t$ represent the number of tomatoes last year. The word "twice" suggests multiplication by two. So, the expression is $2t$.

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**Multiple Learning Styles**

**Auditory/Musical** Have students work with a partner to translate algebraic equations into verbal sentences. Make sure they use the appropriate words or phrases for the operations involved so their translation makes sense. After one student has converted a written equation into a spoken sentence, their partner should translate the sentence back into a written equation.