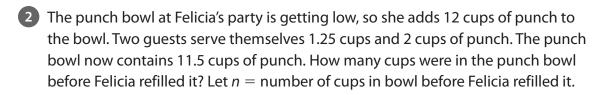
LESSON 21

Writing and Solving One-Variable Equations

- Solve each problem by writing and solving a one-variable equation.

In the first three innings of a baseball game, the home team scored some runs. In the rest of the game, they scored 5 runs more than the number of runs scored in the first three innings. If the home team scored 9 runs in all, how many runs did they score during the first three innings? How many runs did they score in the remainder of the game? Let x = the runs scored in the first three innings.





3 Vanessa is a caterer. She made several batches of appetizers last weekend for an event. This weekend, Vanessa made 4 times as many batches. She made a total of 25 batches of appetizers for the two weekends. Determine the number of batches Vanessa made last weekend and the number of batches she made this weekend. Let b = the number of batches of appetizers Vanessa made last weekend.

LESSON 21

Writing and Solving One-Variable

Equations continued



4 Wanda earned \$350 babysitting over the months of July and August. She earned \$90 more in August than in July. How much did she earn babysitting in July? In August?



5 Charlene is 8 years older than Aaron. The sum of their ages is 44. What are their ages?



6 On Saturday, 45% of the music Brianna listened to was country songs. She listened to 27 country songs on Saturday. How many songs did Brianna listen to on Saturday?