

Equations Word Problem Practice

For each of the word problems below, write an algebraic equation and solve. Remember to include a solution statement.

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| 1. Fabian charges \$3 for each bag of leaves he rakes, and \$5 for mowing the lawn. On Sunday, Fabian mowed 1 lawn and raked leaves. He earned \$14. How many bags of leaves did Fabian rake? |
| 2. Navid now has \$72 in her savings account. Each week she will save \$24. After how many weeks will Navid have a total savings of \$288? |
| 3. The Grade 8 students had an end-of-the-year dance. The disc jockey charged \$85 for setting up the equipment, plus \$2 for each student who attended the dance. The disc jockey was paid \$197. How many students attended the dance? |
| 4. The high temperature today is 7°C higher than twice the high temperature yesterday. The high temperature today is -3°C . What was the high temperature yesterday? |
| 5. One-quarter of the golf balls in the bag are yellow. There are 8 yellow golf balls. How many golf balls are in the bag? |
| 6. One-half of the team's supply of baseballs were taken from the dressing room to the dugout. During the game, 11 baseballs were caught by fans. At the end of the game, there were 12 baseballs left in the dugout. What was the team's original supply of baseballs? |
| 7. Five students in Mrs. Johnson's tutorial class after school are solving equations. She brought a bag of treats. Mrs. Johnson explained that if the 5 students shared the bag of treats equally, then gave one treat each to the teacher, each student would still have 9 treats. How many treats were in the bag? |
| 8. One-third of the Grade 8 students went to the track-and-field meet. Five track coaches went too. There were 41 people on the bus, not including the driver. How many students are in Grade 8? |