

Writing Algebraic Expressions

Directions: For each question, identify the variable in the second column, then write an expression in the third.

Christine charges \$50 per hour for photography. Write an expression that can be used to find the cost for n hours.		
A family went to the ice cream store. They ordered v vanilla cones and c chocolate cones. Write an expression to find the total cost if each vanilla costs \$1.25 and each chocolate costs \$1.35.		
Alex wants to buy a new laptop. She already saved \$25 and plans to save an additional \$10 each week. Write an expression that shows the total amount of Money she will have saved after x weeks.		
A new iPod costs \$250. Each song download costs about \$0.95 each on iTunes. Write an expression that represents the total cost of purchasing and listening to s songs.		
A group of students and chaperones went on a field trip to the zoo. Each student ticket costs \$5 and each adult ticket costs \$8. There was a bus fee of \$200. Write an algebraic expression to find the total cost of the field trip.		

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Christine charges \$50 per hour for photography. Write an expression that can be used to find the cost for n hours.	Let n = # of hours	$50n$
A family went to the ice cream store. They ordered v vanilla cones and c chocolate cones. Write an expression to find the total cost if each vanilla costs \$1.25 and each chocolate costs \$1.35.	Let v = # of vanilla cones Let c = # of chocolate cones	$1.25v + 1.35c$
Alex wants to buy a new laptop. She already saved \$25 and plans to save an additional \$10 each week. Write an expression that shows the total amount of Money she will have saved after x weeks.	Let x = # of weeks	$25 + 10x$
A new iPod costs \$250. Each song download costs about \$0.95 each on iTunes. Write an expression that represents the total cost of purchasing and listening to s songs.	Let s = # of songs	$250 + 0.95s$
A group of students and chaperones went on a field trip to the zoo. Each student ticket costs \$5 and each adult ticket costs \$8. There was a bus fee of \$200. Write an algebraic expression to find the total cost of the field trip.	Let s = # of student tickets Let a = # of adult tickets	$200 + 5s + 8a$