

1. Marcus is 12 years old. Arlene is 8 years old. Write a variable expression for Arlene's age using Marcus' age as M .

[A] $M + 8$

[B] $M - 4$

[C] $M + 4$

[D] $M - 12$

2. Matt and Carla each spent \$100 at the mall. Together they bought five sweaters and two pairs of pants. Let s represent the cost of a sweater and p the cost of a pair of pants. Which of the following variable expressions represents the total cost of their purchases?

[A] $100 - 5s$

[B] $100 - 2p$

[C] $5s + 2p$

[D] $7sp$

3. If a major league baseball player chews 50 pieces of gum per game, write a variable expression to show how many pieces of gum he might chew in " n " games.

4. Refer to the chart below. Use the variable m to represent the percent of employees in retailing covered by a health plan. Write an expression, using m , to represent the percent of employees covered in transportation/communications.

% Employees Covered by Their Employers' Health Care Plan (companies of 200 or more workers)	
High Technology	89%
Manufacturing	82%
Transportation / Communications	78%
Retailing	39%

Algebra I Practice CC.A.SSE.A.1: Modeling Expressions

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[1] B

[2] C

[3] 50n

[4] 2m