Name \_\_\_\_\_ Date \_\_\_\_\_

Gavin has ten identical U.S. coins in his pocket. The total value of the coins in cents is represented by 10x.

1. What does *x* represent?

2. What are the possible values of *x*?

3. If Gavin knows the total value of the coins is 50 cents, what can you say about the value of *x*? Explain how you determined your answer.

Name Date
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Justin, Nadine, and Mark were competing to see who could score the most points in their basketball game.

1. Mark scored three times as many points as Justin. Write an algebraic expression to represent the number of points Mark scored. Explain the meaning of the variable.

2. Nadine scored five points more than Mark. Write an algebraic expression to represent the number of points Nadine scored. Explain the meaning of the variable.