Name: _____ Period: _____ Date: _____

Solving Proportions Exit Quiz

Part A **Instructions:** Choose the option that completes the sentence or answers the question.

1. **In the proportion $\frac{a}{b} = \frac{c}{d}$, a and d are:**

    a. Means
    b. Extremes
    c. Minima
    d. None of these

2. **Which of these properties is used in solving proportions?**

    a. Multiplication property of inequality
    b. Cross product property
    c. Multiplication property of equality
    d. Both b and c

3. **In the proportion $\frac{a}{b} = \frac{c}{d}$, the cross product property applied results in:**

    a. $ac = bd$
    b. $ad = bc$
    c. $a + d = b + c$
    d. $a = d$

4. **The solution of the proportion $\frac{2}{9} = \frac{k}{18}$ is?**

    a. 9
    b. 4
    c. 6
    d. 54

Part B **Instructions: Answer the question below.**

5. **The windows on a building are proportional to the size of the building. The height of each window is 18 inches, and the width is 11 inches. If the height of the building is 126 feet, what is the width of the building?**

    Width = _____

Solving Proportions Exit Quiz

<mark>Answers</mark>

Part A Instructions: Choose the option that completes the sentence or answers the question.

1. **In the proportion $\frac{a}{b} = \frac{c}{d}$, a and d are:**

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   b. <mark>Extremes</mark>
   c. Minima
   d. None of these

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   a. 9
   b. <mark>4</mark>
   c. 6
   d. 54

Part B Instructions: Answer the question below.

5. **The windows on a building are proportional to the size of the building. The height of each window is 18 inches, and the width is 11 inches. If the height of the building is 126 feet, what is the width of the building?**

   Width = ___<mark>77 inches</mark>___