Basic Algebra '24

Determine the value of the variable in each equation.

1. \( \frac{24}{a} = 8 \)

2. \( 24 - j = 17 \)

3. \( 24r = 24 \)

\( a = \) ________ \( j = \) ________ \( r = \) ________

4. \( 2a = 24 \)

5. \( 2b = 24 \)

6. \( 2c = 24 \)

7. \( 2d = 24 \)

8. \( 2e = 24 \)

9. \( 2f = 24 \)

10. \( \frac{b}{2} = 24 \)

11. \( w - 24 = -10 \)

12. \( 24v = 120 \)

\( b = \) ________ \( w = \) ________ \( v = \) ________

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Determine the value of the variable in each equation.

1. \( \frac{24}{a} = 8 \) (a)  
   \( \frac{24}{24} = \frac{8 \times 24}{a} \)  
   \( a = \frac{8 \times 24}{24} \)  
   \( a = 8 \)

2. \( 24 - j = 17 \)
   \( -24 \quad -24 \)
   \( -24 \quad -24 \) (a)  
   \( j = \frac{24 - 17}{1} \)  
   \( j = 7 \)

3. \( \frac{24}{r} = \frac{24}{24} \)
   \( \frac{24}{24} \quad \frac{24}{24} \) (a)  
   \( r = \frac{24}{24} \)  
   \( r = 1 \)

4. \( b = 48 \)
5. \( w = 14 \)
6. \( v = 5 \)

Preview
Please log in to download the printable version of this worksheet.