

Name \_\_\_\_\_

### Construction Site Measurements (Real-World Applications) Answer Key

1.  $x - 3 = 12 \rightarrow x = 15 \text{ m}$

2.  $3x = 72 \rightarrow x = 24 \text{ m}^2$

3.  $1,200 - x = 850 \rightarrow x = 350 \text{ L}$

4.  $6 \times 320 = 1,920 \text{ kg}$

5.  $4x = 14,000 \rightarrow x = 3,500 \text{ kg per load}$

6.  $2,750 - 550 = 2,200 \text{ kg smaller beam}$

7.  $5 \times 2.4 = 12 \text{ m total}$

8.  $25 \times 18 \times x = 1,350 \rightarrow 450x = 1,350 \rightarrow x = 3 \text{ m deep}$

9.  $x + 400 = 1,000 \rightarrow x = 600 \text{ L of water}$

10.  $9,000 - x = 3,500 \rightarrow x = 5,500 \text{ kg unloaded}$

11.  $3 \times 450 = 1,350 \text{ bricks}$

12.  $x \div 4 = 6.5 \rightarrow x = 6.5 \times 4 = 26 \text{ m}$