

Scale and Proportion Review

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Understanding Ratios and Scale Drawings

Name: _____

Date: _____

Answer the following questions based on the lesson about scale and proportion.

1. What is a scale in the context of a drawing?

- A. A measure of weight
- B. A ratio showing the relationship between the drawing and the real object
- C. A type of drawing tool

2. Why is it important to maintain proportions in a scale drawing?

3. A scale drawing is like a magical mathematical ____ that helps us represent large things in small spaces.

4. A scale drawing can change the proportions of the original object.

- True False

5. Which of the following is an example of a common scale?

- A. 1:10
- B. 100:1
- C. 1:1000

6. How can we ensure our scale drawing stays proportional?

7. Proportions must stay exactly the same when ____ objects are scaled.

8. Architects and designers use scale drawings to visualize large spaces accurately.

- True False

9. What does Proverbs 11:1 teach us about measurements?

- A. Measurements can be inaccurate
- B. Precision in measurements is pleasing to God
- C. All measurements are the same

10. Why might architects or designers use scale drawings?

Answer Key

1. A ratio showing the relationship between the drawing and the real object 2. Maintaining proportions ensures that the drawing accurately represents the real object, keeping the same shape and size relationships. 3. window 4. False 5. 1:10 6. We can ensure our scale drawing stays proportional by using the same scale for all measurements and carefully checking our work. 7. scaling 8. True 9. Precision in measurements is pleasing to God 10. Architects and designers use scale drawings to visualize and plan structures at a manageable size while keeping all proportions correct.