

# Sacred Geometry: Biblical Architecture

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5th Grade Math Practice

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each problem. Show your work when needed.

1. The length of the Tabernacle was 30 cubits. If 1 cubit = 18 inches, what is the length in inches?

2. The width of the Holy Place was 10 cubits. Convert this measurement to feet.

3. If the height of the Temple was 60 cubits, how many inches tall is the Temple?

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4. A rectangular altar was 5 cubits long and 3 cubits wide. What is the area in square cubits?

\_\_\_\_\_

5. Circle the greater area: Area of a rectangle 7 cubits by 4 cubits or area of a triangle with base 6 cubits and height 5 cubits.

6. Calculate the perimeter of a rectangular space that is 12 cubits long and 8 cubits wide.

7. What number comes next in this pattern of cubits? 3, 6, 9,

\_\_\_\_\_

8. A circle can be divided into 3 equal parts by drawing 3 radii.

True  False

9. If the width of the Holy of Holies was 20 cubits, what is its volume in cubic cubits if it is 10 cubits high?

10. If a pillar is 15 cubits tall and each cubit is 18 inches, what is the pillar's height in inches?

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11. A triangle has a base of 8 cubits and a height of 5 cubits. What is the area of the triangle?

12. If there are 4 corners in the Tabernacle, and each corner has a circular base with a radius of 2 cubits, what is the total area of the circular bases combined? (Use  $A = \pi r^2$ )

\_\_\_\_\_

13. Circle the greater number:  $\frac{1}{3}$ :

2

2

\_\_\_\_ or \_\_\_\_

14. What number comes next?  $1/4$ ,  $1/2$ ,  $3/4$ , \_\_\_\_

15. If a wall is 9 cubits long and another is 12 cubits long, how much longer is the second wall than the first?

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**Answer Key**

1. 540 2. 15 3. 1080 4. 15 5. Rectangle 6. 40 7. 12 8. True 9. 200 10. 270 11. 20 12. 50.24 13.  $2/3$  14. 1 15. 3