10. Relate the Bead Chains to the Square of Pythagoras Material

Materials:

Bead chains, one through ten.
Square of Pythagoras material

Presentation:

1. Place the Pythagorean squares across the top of the rug, beginning at the upper right corner with the smallest square and proceeding in sequence to the left with the largest square.

2. Place the bead-chains from one through ten below the Pythagorean Squares with the one-bead chain beginning to the right.

3. Fold the two-bead chain to form a square below the Pythagorean square.

4. Fold the three-bead chain to form a square below the Pythagorean square.

5. Fold the four-bead chain to form a square below the Pythagorean square.

6. Fold the five-bead chain to form a square below the Pythagorean square.

7. Fold the six-bead chain to form a square below the Pythagorean square.

8. Fold the seven-bead chain to form a square below the Pythagorean square.

9. Fold the eight-bead chain to form a square below the Pythagorean square.

10. Fold the nine-bead chain to form a square below the Pythagorean square.

11. Fold the ten-bead chain to form a square below the Pythagorean square.

12. Superimpose the smallest Pythagorean square on the one-bead chain square.

13. Superimpose the next Pythagorean square on the two-bead chain square.

14. Superimpose the next Pythagorean square on the three-bead chain square.

15. Superimpose the next Pythagorean square on the four-bead chain square.

16. Superimpose the next Pythagorean square on the five-bead chain square.

17. Superimpose the next Pythagorean square on the six-bead chain square.

18. Superimpose the next Pythagorean square on the seven-bead chain square.

19. Superimpose the next Pythagorean square on the eight-bead chain square.

20. Superimpose the next Pythagorean square on the nine-bead chain square.

21. Superimpose the next Pythagorean square on the ten-bead chain square.

22. Remove the Pythagorean squares.

11. Relate the Bead Squares and the Square of Pythagoras Material to the Pink Cubes

Materials:

Bead squares, one through ten
Square of Pythagoras material
Pink cubes

Presentation:

1. Place the Pythagorean squares across the top of the rug, beginning at the upper right corner with the smallest square and proceeding in sequence to the left with the largest square.

2. Place the bead squares from one through ten below the Pythagorean squares with the one-bead square beginning to the right.

3. Point to the one-bead square and ask the child, "Which pink cube will match this square?"

4. Place the pink cube below the one-bead square.

5. Point to the two-bead square and ask the child, "Which pink cube will match this square?"

6. Place the pink cube below the two-bead square.

7. Point to the three-bead square and ask the child, "Which pink cube will match this square?"

8. Place the pink cube below the three-bead square.

9. Point to the four-bead square and ask the child, "Which pink cube will match this square?"

10. Place the pink cube below the four-bead square.

11. Point to the five-bead square and ask the child, "Which pink cube will match this square?"

12. Place the pink cube below the five-bead square.

13. Point to the six-bead square and ask the child, "Which pink cube will match this square?"

14. Place the pink cube below the six-bead square.

15. Point to the seven-bead square and ask the child, "Which pink cube will match this square?"

16. Place the pink cube below the seven-bead square.

17. Point to the eight-bead square and ask the child, "Which pink cube will match this square?"

18. Place the pink cube below the eight-bead square.

19. Point to the nine-bead square and ask the child, "Which pink cube will match this square?"

20. Place the pink cube below the nine-bead square.

21. Point to the ten-bead square and ask the child, "Which pink cube will match this square?"

22. Place the pink cube below the ten-bead square.

23. Indicate to the children the relationships among the bead squares, the squares of Pythagoras and the pink cubes.