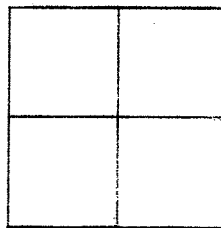


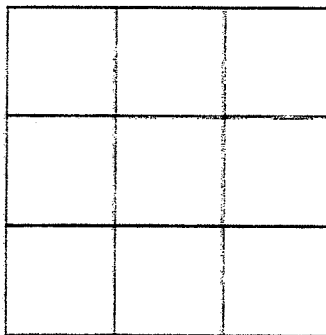
1. The 2×2 square:

- a) How many small squares occur?
- b) How many 2×2 squares?
- c) How many squares occur altogether?



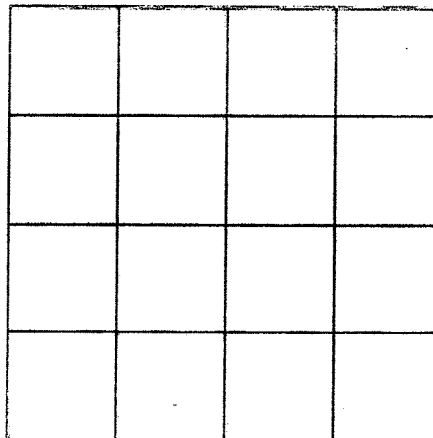
2. The 3×3 square:

- a) How many 1×1 squares?
- b) How many 2×2 squares?
- c) How many 3×3 squares?
- d) Find the total number of squares.



3. The 4×4 square:

- a) How many 1×1 squares?
- b) How many 2×2 squares?
- c) How many 3×3 squares?
- d) How many 4×4 squares?
- e) Find the total number of squares.



4. Look for a pattern in questions 1–3.

Make a prediction for the total number of squares in a 5×5 square. Test your prediction.

5. How many squares do you think are in an 8×8 square checkerboard? Defend your answer.

