

Determine whether the number is a perfect square.

25. 8 26. 4 27. 81 28. 44
 29. 49 30. 125 31. 150 32. 144

33. **PAINTING** A square painting measures 2 meters on each side. What is the area of the painting in square centimeters?

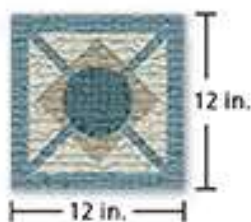


34. **NUMBER SENSE** Write three powers that have values greater than 120 and less than 130.

35. **CHECKERS** A checkers board has 64 squares. How many squares are in each row?

36. **PATIO** A landscaper has 125 tiles to build a square patio. The patio must have an area of at least 80 square feet.

- a. What are the possible arrangements for the patio?
 b. How many tiles are not used in each arrangement?



37. **PATTERNS** Copy and complete the table. Describe what happens to the value of the power as the exponent decreases. Use this pattern to find the value of 4^0 .

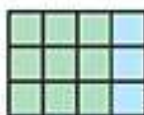
Power	4^6	4^5	4^4	4^3	4^2	4^1
Value	4096	1024				

38. **REASONING** Consider the equation $56 = \square^2$. The missing number is between what two whole numbers?

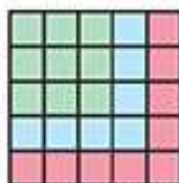
39. **Repeated Reasoning** How many blocks do you need to add to Square 6 to get Square 7? to Square 9 to get Square 10? to Square 19 to get Square 20? Explain.



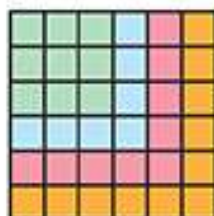
Square 3



Square 4



Square 5



Square 6



Fair Game Review

what you learned in previous grades & lessons

Find the value of the expression. (*Skills Review Handbook*)

40. 6×14 41. 11×15 42. $56 \div 7$ 43. $112 \div 16$

44. **MULTIPLE CHOICE** You buy a box of sugar-free gum that has 12 packs. Each pack has 5 pieces. Which expression represents the total number of pieces of gum? (*Skills Review Handbook*)

- (A) $12 + 5$ (B) $12 - 5$ (C) 12×5 (D) $12 \div 5$