INTRO to SQUARES 1 Dimension Dimension 2 dimensions 4cm AREA of A SQUARE = SIDE * SIDE = SIDE 2 GURES MEASURE from × from = lbcm² in units² HAVE 9 40 2 Dimensions dimensions (L&W). OBJECTS in Whits HAVE 3 dimensions N= 16 (L¢W+H MEANS = "Squareo" -> "4 Squareo equals 16 times the number shows in multiplication $4^3 = 4 \times 4 \times 4$ 2^{2} or 2 x 2 = 4 A SQUARED NUMBER = X BY ITSELF 9 3^2 or $3 \times 3 = 9$ 4^2 or $4 \times 4 = 16$ 16 A PERFECT SQUARE = A Positive 5² or 5 x 5 = 25 integer Multiplied by itself 25 6² or 6 x 6 = 36 36 TERMINOLOGY "How we can READ this" 1 - What is the source of 3? - All the same for 3^{2} 2 - What is 3 square? 3 - What is 3 to the power of 2? What is ... A) THE SQUARE of 8? $8^2 = 8 \times 8 = 64$ B) 10 SQUARED? () 5 to the POWER of 27 10²= 10×10=100 52 = 5×5=25

What is the side length of a square w/ an area of ... C) 81mm² D) 49 km² A) 100 m² B) $btcm^2$ 181 1100 164 149 "WHAT NUMBER CAN BE MULTIF 10m bcm CQJA Word Problem The floor of a large square room has an area of 64 m² A) Find the length of a side of the room. 167 = 2 # 's multiplies to 69 = 8m B) How much baseboard is needed to go around the room? 8×4=32M C) Each piece of baseboard is 2.5 m long. How many pieces of baseboard are needed? 2.5 * × = 32 12.8 Pieces 2.5x = 32x = 12.8