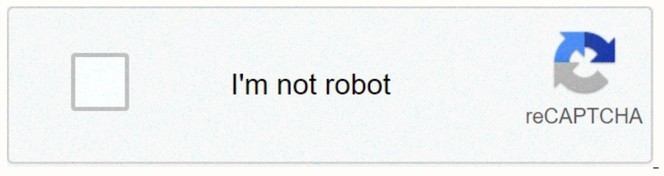

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Civil engineering quantity calculation formulas pdf

Formulas & equations are essential for construction professionals to work on quantity as well as cost & subtotals of building material. These formulae can be used in a wide range of construction projects and design applications that range from reinforced concrete, bridge construction, highway design, etc. The formula refers to an equation showing one variable such as merging another variable(s) using algebraic operations such as addition, subtraction, multiplication, division, power enhancement, use of natural logarithm, as well as cosine or other mixture of operations. Various questions about construction can be easily solved by correctly applying these formulas. The view of the construction industry will be enhanced by professionalism and performance through the efficient use of formulae. Concrete: Width x Length x Height, divided by 27 = number of yards of necessary concrete. Foundation Masonry Block: 8 high / 16 long / 3/8 mortar normal joint height. Roofing material: Width x length, divided by 100 = number of squares shingles needed. Tow: Width x Height, divided by 100 square feet = number of squares towed necessary. Carpet: Width of the room x length of the room, divided by 9 = the number of square feet needed for the room. Wooden tow: Width of the board minus the lapping distance = cover the wooden towed to the board. Width of the area to be lateral x height of the area to be divided sidewise by the coverage calculated above = the tow line tracks you need. Brick: 7 bricks = one square foot coverage. Width of the area to be covered x height of the area to be covered divided by 7 = number of bricks required. Altitude conversion: The altitude measured at 10.1 from altitude = one leg or 12 is equal to one leg. Normal measurement of 12 inches per foot. (b) Ultrasonic Pulse Speed Test (theconstructor.org) Figure Courtesy: afrisam.co.za lost password? Enter your email address. 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