

QUANTITY SURVEYING FORMULAS

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How do you calculate quantity surveying? - The quantities mainly can be calculated as: $\text{Quantity} = \text{Length} \times \text{Width} \times (\text{Height or Thickness})$, $\text{Quantity} = \text{Area of cross-section} \times \text{Length}$, $\text{Quantity} = \text{Length} \times \text{Width}$, $\text{Quantity} = \text{Length}$. $\text{Quantity} = \text{Number of Units}$.

How to use Excel as a quantity surveyor?

What are 10 functions of a quantity surveyor?

How do you calculate quantity in estimation? Quantity estimate Cost estimates are calculated by multiplying the dimensions of the project with the per-unit cost. For example, a painter has to paint a building, and the cost per square foot is Rs. 5, then he calculates the total cost by multiplying the total square feet area with the per square feet cost.

What is the formula to calculate quantity? You calculate the net quantity according to one of the following formulas: If the physical quantity is Length: $\text{Net quantity} = \text{length} \times \text{number of units}$. If the physical quantity is Area (m²): $\text{Net quantity} = \text{length} \times \text{width} \times \text{number of units}$. If desired, you can overwrite the calculated net quantity with a different value.

How do you calculate QS?

How do I calculate quantity in Excel? Use the COUNT function to get the number of entries in a number field that is in a range or array of numbers. For example, you can enter the following formula to count the numbers in the range A1:A20: `=COUNT(A1:A20)`. In this example, if five of the cells in the range contain numbers, the result is 5.

How do I calculate survey data in Excel?

Do quants use Excel? As quants are using math and statistical tools to analyze data, they have to operate with some software dedicated for them. It depends of the preference whether you can do everything in MS Excel or you will use MATLAB, R-studio or any other sophisticated software.

Which software is best for quantity surveying?

How to learn quantity surveying? Undergraduate degree in Quantity Surveying An undergraduate degree will traditionally take three years when studied full time on campus. Depending on the university you choose, there may be a chance to take a placement year or learn part time which will extend your learning journey.

What is a quantity surveyor pdf? Quantity surveyors are involved in all phases of a facility's lifecycle such as feasibility, design, construction, extension, refurbishment, maintenance, and demolition.

What is the estimation formula? An estimating formula is an algebraic equation used to calculate the total estimated effort for a task or work breakdown element. The variables in the formula such as Count, Low, and High are derived from information provided by one or more estimating factors.

What is the formula for work quantity? The formula for work is used to calculate the work done to displace any object. Work is the product of the force applied and displacement in the direction of the force applied. Work is the dot product of the two vectors: force and displacement. Thus work is a scalar quantity.

How to calculate BoQ? For each entry, the BoQ calculates the total cost by multiplying the unit price by its quantity. To arrive at the overall budget, we sum up the costs of these individual items.

How do you calculate quantity estimation? Quantity Estimate Cost numbers are calculated by multiplying the dimensions on the project drawings by the rate for a particular item of work.

What is the quantity equation? The equation $MV = PT$ relating the price level and the quantity of money. Here M is the quantity of money, V is the velocity of circulation, P is the price level, and T is the volume of transactions. The quantity equation is the basis for the quantity theory of money.

What are the formulas for measurement?

How do you find QS? This point of intersection is the equilibrium price formula, which sets the supply function and demand function equal to each other. These three formulas look like this: The linear supply function is: $Q_s = x + yP$ Where: Q_s = the quantity supplied.

What is the formula for calculating demand? If the demand curve is linear, then it has the form: $Q_d = a - b \cdot P$, where p is the price of the good and q is the quantity demanded. The intercept of the curve and the vertical axis is represented by a , meaning the price when no quantity demanded. and b is the slope of the demand function.

What is the formula for quantity demanded? Quantity demanded can be found by using this equation: $Q_d = a + b(P)$, where a is the x-axis intercept, b is the slope of the demand curve, and P is the price of the good. Quantity demanded has a direct relationship with price.

What are the 5 basic formulas in Microsoft Excel?

How do I format a quantity in Excel?

How do you SUM a quantity in Excel? If you need to sum a column or row of numbers, let Excel do the math for you. Select a cell next to the numbers you want to sum, select AutoSum on the Home tab, press Enter, and you're done.

How do you calculate surveying levels? Set up your level at LS1 and take a backsight reading on the bench-mark (BM). Then, take foresight readings on as many base-line points as possible. From this, find the height of the instrument (HI) and point elevations, with $HI = E(BM) + BS$ and $E(\text{point}) = HI - FS$.

How do you calculate quantity ratio?

How do you calculate excavation quantity? $Ab = Wb * Lb$, where Wb and Lb are the width and length of the bottom of the excavation. $At = Wt * Lt$, where Wt and Lt are the width and length of the top of the excavation. In our example, $Wb = Lb = 5$ and $Wt = Lt = 15$, so $Ab = 5 * 5 = 25$ and $At = 15 * 15 = 225$, and $D = 5$. Therefore, the volume is: $= 542$ cf or 20.0 cy.

How do you calculate surveys? The score is calculated by summing each question's count of scorable responses multiplied by the question's average score, which is then divided by the total sum of scorable response counts.

What is the 3 4 5 method of surveying? The 3-4-5 method is commonly illustrated by creating a triangle shape. One side is measured at three feet (the straight line), the second at four feet (the perpendicular line) and the last at five feet (across) – hence the aptly named '3-4-5 method. '

What is the formula of scale in surveying?

How do you calculate survey scale? Step 1: For each question on the questionnaire, calculate the total number of responses for each sentiment level (Strongly Disagree, Disagree, Neutral, Agree, Strongly Agree). Step 2: Add the totals, and divide by the total number of respondents: $1 + 0 + 0 + 0 + 5 = 6 / 2$ respondents = 3.

What is the formula for ratios? If you are comparing one data point (A) to another data point (B), your formula would be A/B . This means you are dividing information A by information B. For example, if A is five and B is 10, your ratio will be $5/10$. Solve the equation. Divide data A by data B to find your ratio.

How do you calculate quality ratio? The equation involves dividing the company's net cash from operating activities by its net income. You'll find the organization's net income numbers on its income statement and its net cash from operating activities on its cash flow statement.

How do you divide a quantity into a ratio?

How do you calculate dirt quantities? Length in feet x Width in feet x Depth in feet (inches divided by 12). Take the total and divide by 27 (the amount of cubic feet in a

yard). The final figure will be the estimated amount of cubic yards required.

What is the formula for earthwork quantity? In flat country the cross slope is usually negligible. In a hilly terrain the cross slope is usually significant. earth work at two given sections, which are at a distance “D” apart. Then the volume of earth work between the two sections is computed from the relation • $V = A \times D$.

How to calculate depth formula?

What is the Cochran's formula? Cochran's (1977) formula uses two key factors: (1) the risk the researcher is willing to accept in the study, commonly called the margin of error, or the error the researcher is willing to accept, and (2) the alpha level, the level of acceptable risk the researcher is willing to accept that the true margin Page 3 ...

How do surveyors calculate area? They typically use measurements tapes or laser distances meters to obtain accurate measurements of the floor areas. The surveyor takes into account the internal walls and features to determine the net usable area of each space.

What is survey computation? Survey Computations includes the elementary survey calculations like radiations, intersections, traverses and resections. They form the basis of many traditional field surveys and are still required.

"That Which Destroys Me" by Kimber: Full Read Online

Kimber's "That Which Destroys Me" is a compelling and thought-provoking novel that explores the complexities of love, addiction, and the human condition. Here are some common questions and answers about the book:

1. What is the main theme of "That Which Destroys Me"?

The novel's central theme is the destructive nature of addiction and how it can consume and ruin lives. It delves into the psychological and emotional toll that addiction takes on individuals, families, and society as a whole.

2. Who is the main protagonist of the story?

The protagonist of the novel is Jemma, a young woman who struggles with heroin addiction. The story is told from Jemma's perspective as she grapples with her addiction and the consequences of her actions.

3. What is significant about Jemma's relationship with Adrian?

Adrian is Jemma's lover and drug dealer. Their relationship is both intense and toxic, marked by addiction, codependency, and violence. Adrian fuels Jemma's addiction while also being a source of pain and control.

4. How does the novel explore the human condition?

Through Jemma's struggles, the novel examines the complexities of human nature. It questions the capacity for love, forgiveness, and redemption amidst addiction and despair. It also highlights the flawed and vulnerable aspects of humanity.

5. What is the significance of the title "That Which Destroys Me"?

The title encapsulates the central theme of the novel. The things that destroy us can be both internal (such as addiction) and external (such as Adrian). The novel suggests that by understanding and confronting our own destructive forces, we can strive for recovery and redemption.

SCBA vs SCUBA: Unveiling the Key Differences in Equipment

Q: What are the fundamental differences in equipment between SCBA and SCUBA?

A: SCBA (Self-Contained Breathing Apparatus) and SCUBA (Self-Contained Underwater Breathing Apparatus) are both life-support systems that provide clean air to the wearer, but they differ significantly in their design and usage.

Q: How does the airflow system vary in SCBA and SCUBA?

A: SCBA typically employs an open-circuit airflow system, where exhaled air is released directly into the environment. In contrast, SCUBA uses a closed-circuit or semi-closed circuit system, which recirculates exhaled air after removing carbon dioxide. This allows for extended underwater breathing periods.

Q: What are the implications of these airflow systems?

A: The open-circuit system of SCBA consumes more air, limiting its duration of use. However, it is simpler to maintain and use, making it ideal for short-term tasks in hazardous environments. On the other hand, the closed-circuit system of SCUBA allows for longer dives at depth but requires more specialized equipment and maintenance.

Q: How do the masks and regulators differ?

A: SCBA typically uses full-face masks that cover the entire face, while SCUBA masks are often half-face or full-face designs with a built-in regulator. The regulator in SCUBA is more complex, incorporating a demand valve that automatically delivers air according to the diver's breathing rate.

Q: What additional equipment is required for SCUBA use?

A: In addition to a mask, regulator, and tank, SCUBA divers also require a buoyancy compensator device (BCD) to control their buoyancy underwater, as well as weights to achieve neutral buoyancy. Other accessories may include dive computers, underwater lights, and communication devices.

Something Happened: Uncovering the Mystery

What is "Something Happened"?

"Something happened" is an enigmatic phrase that often elicits a sense of curiosity, concern, or even unease. It implies that an unspecified event has occurred, leaving behind a shroud of mystery.

Why Use the Phrase "Something Happened"?

The phrase "something happened" is often used when the exact nature of the event is unknown, or when the speaker wishes to avoid providing specific details. It can be employed to convey a range of emotions, from shock and disbelief to fear and sadness.

What Could Have Happened?

The possibilities of what "something happened" could refer to are endless. It might indicate a minor inconvenience, such as a broken appliance, or a life-altering event, such as a death or a natural disaster. The only certainty is that something has taken place, leaving an imprint on the present.

How to Respond to "Something Happened"

When someone tells you that "something happened," it's important to approach the situation with empathy and respect. Avoid dismissing their feelings or jumping to conclusions. Instead, ask clarifying questions, such as:

- "Can you tell me more about what happened?"
- "How are you feeling about it?"
- "Is there anything I can do to help?"

Conclusion

The phrase "something happened" serves as a reminder that life is often unpredictable. It can be a source of both excitement and trepidation, as we navigate the unknown. By approaching such occurrences with open minds and a willingness to listen, we can embrace the mysteries that make life both fascinating and challenging.

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