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Working in minute units, 2 hours=120 minutes. Hence 25 minutes is 25/120 this of 2 hours. By cancelling, 25/120 = 5/24 Expressing 5/24 as a decimal fraction gives 0.2083` Multiplying by 100 to convert the decimal fraction to a percentage gives: 0.2083` × 100=20.83%` Thus 25 minutes is 21% of 2 hours, correct to the nearest 1%.

Basic Engineering Mathematics - Index-of.co.uk

This last result is a special case of the more general formula, $N \sum_{k=1}^n (n+1)(n+2) \dots (n+k) = N(n+1)(n+2) \dots (N+r)(N+r+1) \dots (N+r)(N+r+1) r+2$. Plane wave expansion $\exp(ikz) = \sum_{l=0}^{\infty} |a_l| \cos(kz) = \sum_{l=0}^{\infty} |a_l| j_l(kr) P_l(\cos \theta) = \sum_{l=0}^{\infty} |a_l| j_l(kr) P_l(\cos \theta)$, where $P_l(\cos \theta)$ are Legendre polynomials (see section 11) and $j_l(kr)$ are spherical Bessel functions, dened by $j_l(r) = r^{-l} J_{l+1/2}(r)$.

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Civil Engineering Formulas | Basic Math Formulas

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All Maths Formulas List | Basic Math Formulas

PROBABILITY : It is a concept of mathematics which measures the degree of certainty or uncertainty of the occurrence of events.. If any event can happen in m ways and fails in n ways and each of the (m + n) ways are equally likely to occur, then probability of the happening of the events is defined as the ratio, m/m+n and that of its failing as n/m+n.

PROBABILITY AND STATISTICS ENGINEERING MATHEMATICS GATE ...

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