



MATHS

BOOKS - RESONANCE DPP ENGLISH

BINOMIAL THEOREM

Others

1. The value of m , for which the coefficients of the $(2m + 1)$ th and $(4m + 5)$ th terms in the

expansion of $(1 + x)^{10}$ are equal is a.3 b. 1 c. 5

d. 8



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2. If $(1 + x)^n = \sum_{r=0}^n a_r x^r$, $b_r = 1 + \frac{a_r}{a_r - 1}$

and $\prod_{r=1}^n b_r = \frac{(101)^{100}}{100!}$, then the value of $\frac{n}{20}$

is



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3. The continued product $2 \cdot 6 \cdot 10 \cdot 14 \cdot \dots \cdot (n$
times) is equal to



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