

CLASS 7- HIGH ORDER THINKING SKILL QUESTIONS**MM-16**

(1) If $\frac{9^n \times 3^2 \times 3^n - 27^n}{(3^3)^5 \times 2^3} = \frac{1}{27}$, find the value of n .

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(2) Solve for x : $\frac{3}{4}(7x - 1) - \left(2x - \frac{1-x}{2}\right) = x + \frac{3}{2}$

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(3) A well of diameter 140 cm has a stone parapet around it. If the length of the outer edge of the parapet is 616 cm, find the width of the parapet.

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(4) At what rate per cent per annum will Rs 3600 amount to Rs 4734 in $3\frac{1}{2}$ years?

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