OF STUDIES 2+3.5+-- l=32. $S_n = \frac{n}{2} (a + l).$ d = 1.5(1) To=32 Tr= a+ (n-1)d. $32 = 2 + (n-1) \cdot 5$ 32 = 2 + 1.5n - 1.532- 0.5+1.5n 31.5= 1.50 n = 21-. Catvine three stick 21 times. $\binom{10}{111}$ $Sn = \frac{2}{2} [2a + (n-1)d]$ $S_{21} = \frac{21}{2} [2(2) + (20)] \cdot 5$ = 357m. The dogran total dustance of 357 metres.

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RD OF STUDIES 3.8 0 L=Or 201m 38 = 020 $\theta = \frac{38}{70}$ 2° $\frac{y=\chi^2-8\chi+4}{8}$ (\bar{c}) (i) (x-h)² = 4a (y=k) where y=0. $2(=-b \pm \sqrt{b^2 - 4ac})$ $=\frac{8^{\pm}\sqrt{8^{2}-4(4)}}{2}$ = $8^{\pm}\sqrt{48}$ 2 $= 4^{\pm} \sqrt{48}$ $= 4 \pm \sqrt{12} \times 4$ = 8 J12 = 8 JAX3 = 16 J3

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