



இயல் 6.9 - பின்னங்கள்

பயிற்சி எண் :: 6.9.2.1.C

பின்னங்கள் - தீர்க்க - பயிற்சி 1.1.3

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3. பின்வருவனவற்றிற்கு விடையளிக்க.

i) $\frac{1}{7}$ மற்றும் $\frac{3}{9}$ இன் கூடுதல் காண்க.

$$\begin{aligned}\frac{1}{7} + \frac{3}{9} &= \left(\frac{1}{7} \times \frac{9}{9}\right) + \left(\frac{3}{9} \times \frac{7}{7}\right) \\ &= \frac{9}{63} + \frac{21}{63} \\ &= \frac{9+21}{63} = \frac{30}{63} = \frac{\cancel{30}^{\mathbf{10}}}{\cancel{63}_{\mathbf{21}}} = \frac{10}{21}\end{aligned}$$

விடை(Answer) :

$$\frac{1}{7} + \frac{3}{9} = \frac{10}{21}$$

ii) $3\frac{1}{3}$ மற்றும் $4\frac{1}{6}$ இன் கூடுதல் காண்க.

$$\begin{aligned}3\frac{1}{3} + 4\frac{1}{6} &= \left(3 + \frac{1}{3}\right) + \left(4 + \frac{1}{6}\right) \\ &= (3 + 4) + \left(\frac{1}{3} + \frac{1}{6}\right) \\ &= 7 + \left(\frac{1}{3} \times \frac{2}{2} + \frac{1}{6}\right) \\ &= 7 + \left(\frac{2}{6} + \frac{1}{6}\right) \\ &= 7 + \left(\frac{2+1}{6}\right) \\ &= 7 + \left(\frac{3}{6}\right) = 7 + \left(\frac{\cancel{3}^{\mathbf{1}}}{\cancel{6}_{\mathbf{2}}}\right) = 7\frac{1}{2}\end{aligned}$$

விடை(Answer) :

$$3\frac{1}{3} + 4\frac{1}{6} = 7\frac{1}{2}$$

iii) சுருக்குக : $1\frac{3}{5} + 5\frac{4}{7}$

$$\begin{aligned}1\frac{3}{5} + 5\frac{4}{7} &= 1 + \frac{3}{5} + 5 + \frac{4}{7} \\ &= (1 + 5) + \left(\frac{3}{5} + \frac{4}{7}\right) \\ &= 6 + \left(\frac{3 \times \mathbf{7}}{5 \times \mathbf{7}} + \frac{4 \times \mathbf{5}}{7 \times \mathbf{5}}\right) \\ &= 6 + \left(\frac{21}{35} + \frac{20}{35}\right) \\ &= 6 + \left(\frac{21+20}{35}\right) = 6 + \left(\frac{41}{35}\right) \\ &= 6 + \left(1\frac{6}{35}\right) = 6 + \left(1 + \frac{6}{35}\right) \\ &= (6 + 1) \left(\frac{6}{35}\right) = 7\frac{6}{35}\end{aligned}$$

விடை(Answer) :

$$1\frac{3}{5} + 5\frac{4}{7} = 7\frac{6}{35}$$

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Sum & solution prepared on Monday 25th April, 2022 :: 18:40 Hrs.

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