

$$\bar{X} = \frac{5400}{1}$$

$$\bar{X} = \frac{\sum X}{n}$$

$$5400 = \frac{\sum X}{7}$$

$$\sum X = 37,800 \text{ for next 7 months}$$

$$\text{Total income} = 25,000 + 37,800 + 2300 = 65,100$$

$$\text{Average monthly income} = \frac{65,100}{12} = 5425/-$$

$$(4) F = K + \left(\frac{13m-1}{5} \right) + D + D/4 + C/4 - 2C$$

Let's find for 25th December, 1995

$$= 25 + \left(\frac{13 \times 10 - 1}{5} \right) + 95 + \frac{95}{4} + \frac{19}{4} - 2 \times 19$$

$$= 25 + \frac{129}{5} + 95 + \frac{95}{4} + \frac{19}{4} - 38$$

$$= 25 + 25 + 95 + 23 + 4 - 38$$

$$= 134$$

Let's find odd days

- 1 - M → Christmas
- 2 - T
- 3 - W
- 4 - Th
- 5 - Friday

$$\begin{array}{r} 7 \overline{)134} \quad | \quad 19 \\ \underline{71} \\ 64 \\ \underline{63} \\ 1 \\ \hline \end{array}$$

Christmas was on Monday