

4(iii)

least no. to be subtracted from 3250 to get a perfect square = 1

required perfect square =  $3250 - 1$   
= 3249

$$\sqrt{3249} = 57$$

$$\begin{array}{r} 57 \\ 5 \overline{) 3250} \\ \underline{25} \\ 750 \\ 107 \overline{) 750} \\ \underline{749} \\ 1 \end{array}$$

$$\begin{array}{r} 57 \\ 5 \overline{) 3249} \\ \underline{25} \\ 749 \\ 107 \overline{) 749} \\ \underline{749} \\ 0 \end{array}$$

4(iv) least no. to be subtracted from 825 to get a perfect square = 41

Required perfect square =  $825 - 41$   
= 784

$$\sqrt{784} = 28$$

$$\begin{array}{r} 28 \\ 2 \overline{) 825} \\ \underline{4} \\ 425 \\ 48 \overline{) 425} \\ \underline{384} \\ 41 \end{array}$$

$$\begin{array}{r} 28 \\ 2 \overline{) 784} \\ \underline{4} \\ 384 \\ 48 \overline{) 384} \\ \underline{384} \\ 0 \end{array}$$