112 (a) $\frac{32}{5} + \frac{23}{\cancel{4}} \times \frac{\cancel{22}^{2}}{15}$

$= \frac{32}{5} + \frac{46}{15}$

$= \frac{96+46}{15}$

$= \frac{142}{15}$

112 (b) $\frac{3}{7} \times \frac{28}{15} \div \frac{14}{5}$

$= \frac{\cancel{3}}{7} \times \frac{\cancel{28}^{2}}{\cancel{15}_{\cancel{3}}} \times \frac{\cancel{5}}{\cancel{14}}$

$= \frac{2}{7}$

112 (c) $\frac{3}{7} + \frac{\cancel{-2}}{21} \times \frac{-5}{\cancel{6}3}$

$= \frac{3}{7} + \frac{5}{63}$

$= \frac{27+5}{63}$

$= \frac{32}{63}$

112 (d) $\frac{7}{8} + \frac{1}{16} - \frac{1}{12}$

$= \frac{42+3-4}{48}$

$= \frac{41}{48}$

113. $-\frac{1}{2}$ is a proper fraction but others are not

114. Cost of $\frac{19}{4}$ m = Rs $\frac{171}{2}$

Cost of 1 m = $\frac{171}{2} \div \frac{19}{4}$

$= \frac{9\cancel{171}}{\cancel{2}} \times \frac{\cancel{4}^{2}}{\cancel{19}}$

= Rs 18