⑦ let length of shirt cloth = $3x$ m

length of trouser cloth = $2x$ m

cost of shirt cloth = $3x \times 50$

$= Rs\ 150x$

cost of trouser material/cloth

$= 2x \times 90$

$= Rs\ 180x$

acc. to con.

$$150x + \frac{\overset{6}{\cancel{12}}}{\cancel{100}} \times \overset{3}{\cancel{150}}x + 180x + \frac{\overset{}{\cancel{10}}}{\cancel{100}} \times \cancel{180}x$$

$$= 36600$$

$\Rightarrow \quad 168x + 198x = 36600$

$\Rightarrow \quad 366x = 36600$

$\Rightarrow \qquad x = 100$

length of trouser material

$= 2 \times 100$

$= 200$ m