

⑦ let length of shirt cloth = $3x$ m
 length of trouser cloth = $2x$ m

cost of shirt cloth = $3x \times 50$
 $= \text{Rs } 150x$

cost of trouser material/cloth
 $= 2x \times 90$
 $= \text{Rs } 180x$

acc. to con.

$$150x + \frac{126}{100} \times 150x + 180x + \frac{10}{100} \times 180x = 36600$$

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

$$\Rightarrow 366x = 36600$$

$$\Rightarrow x = 100$$

length of trouser material
 $= 2 \times 100$
 $= 200$ m