

④

no. of children x_i	24	20
no. of sweets each child gets y_i	5	y_2

$\therefore x$ and y are inversely proportional

$$x_1 y_1 = x_2 y_2$$

$$24 \times 5 = 20 y_2$$

$$\Rightarrow y_2 = \frac{24 \times 5}{20}$$

$$\Rightarrow y_2 = 6$$

⑤

no. of workers x_i	3	4
Time taken to complete work (in days) y_i	4	y_2

x and y are inversely proportional

$$x_1 y_1 = x_2 y_2$$

$$3 \times 4 = 4 y_2$$

$$\Rightarrow y_2 = 3$$