

Ex:

The taxi fare in a city:

for the first kilometer, the fare is £8/km

& for subsequent distances it is £5/km.

Taking the distance covered is x km & ^{total} fare is £ y ,

write a linear equation —

Ans:

~~Ans~~

① For the first 1 km, fare is £8/-.

② Total distance is x km.

So for $(x-1)$ km, the fare is £ $5(x-1)$

If y = total fare

then $y = 8 + 5(x-1)$

$$= 8 + 5x - 5$$

$$= 5x + 3$$

$$\Rightarrow 5x - y + 3 = 0$$

— Linear equation in satisfying the cond.

(Ans)

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Page 4 of 5