$$Km/h \times \frac{S}{18} = m/s$$

$$pnoof: - K/n = \frac{1000}{60 \times 60} = \frac{5}{18} \text{ m/s}.$$

Roblems:

1. A train 1200m. long crosses a platform in 40 sec. Find out the speed of the train in terms of km per Lour.

- Apply mile (1).

speed of the train =
$$\frac{60}{40} \times \frac{18}{5} = 108 \text{ km/h}$$
.

2. A person standing on a platform observe a train 1200 m long conorus him in 40 rec & croves the platform in 2 min Find out the length of platform.

$$\frac{\text{train}}{1200\text{m}}$$

$$\frac{40\text{s}}{2\text{min}}$$

: when it crossette man, speed is -

In when it crosses the platform speed is -

$$\frac{1200}{40} = \frac{1200 + 7}{2 \times 60}$$

ov,
$$1200 \times 30 = 1200 + 2$$

. length of platform is 2400 m.

Kowler