

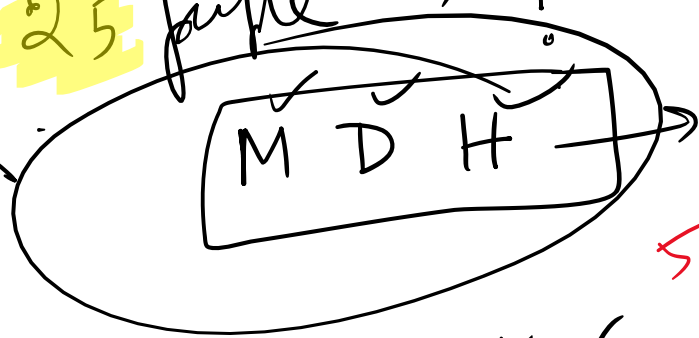
ARITHMETIC

9062395123

15 people → 10 days
25 people → ?

→ 5 hr ✓
→ 12 hr ✓

20
15
12
11
10



MDH MDH
 $15 \cdot 10 \cdot 5 = 25 \cdot D \cdot 12$
 ~~$15 \cdot 10 \cdot 5 = D$~~
 $\frac{25 \cdot 12}{5} = D$
D = 25

Men Day Hour
MDH MDH

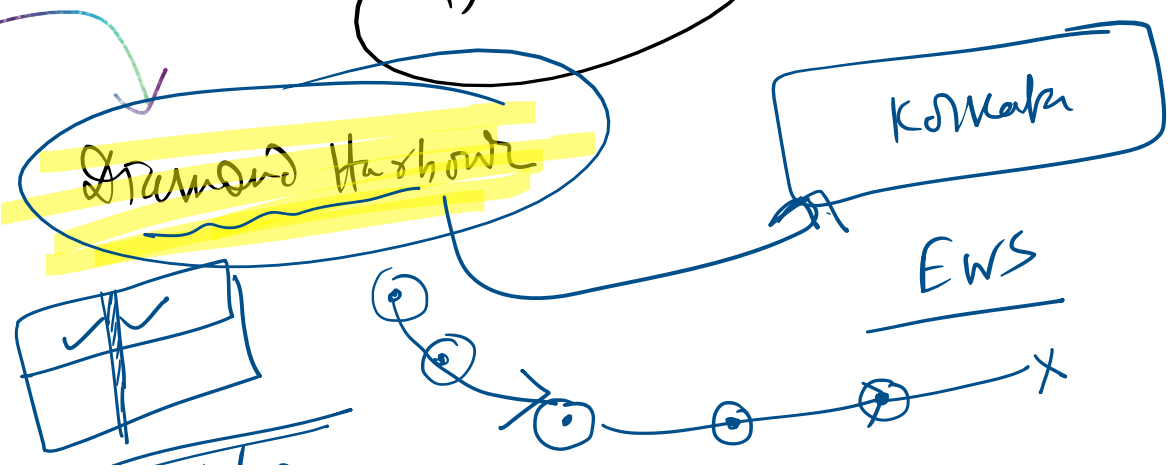
Q. 100%
20 people 15 days
10 people ? "

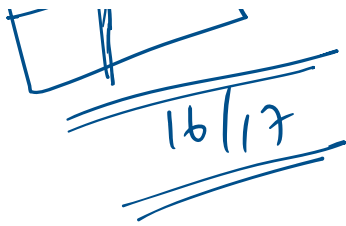


$20 \cdot 15 \cdot 12 = 10 \cdot D \cdot 18$
 ~~$20 \times 15 \times 12 = D$~~
 ~~$10 \times 18 \times 3 = D$~~

2 weeks

D = 20





Q. 25% 25% 42%
 (16) men 40 hr 5 days 3/7 part of work
 → 12 men ~~10 hr~~ ~~2 days~~ (1 - 3/7) = 4/7

$$\frac{MDH}{W} = \frac{MDH}{W}$$

$$\frac{10 \cdot 5 \cdot 10}{\cancel{3/7}} = \frac{12 \cdot 12 \cdot D}{\cancel{4/7}}$$

$$\frac{10 \cdot 5 \cdot 10}{3} = \frac{12 \cdot 12 \cdot D}{4}$$

$$\frac{5}{10 \cdot 5 \cdot 10} \cdot \frac{5}{4} \cdot 2 = D$$

$$\frac{3 \cdot 12 = 12}{6 \cdot 3} \cdot 3 = D = \frac{4 \cdot 12}{27}$$

58%

125
108

Q. Men are doubled
 Per day work ~~double~~ to half. 4 →
5 →

Q. men wie ...
 Perday wage ~~double~~ to found. \rightarrow

What hour
 what wage happen to days?

$$M D H = 2 M 3 D H_1$$

$$(2) \times (3) = (6)$$

$$\frac{M D H}{2 M 3 D H_1}$$

$$= H_1$$

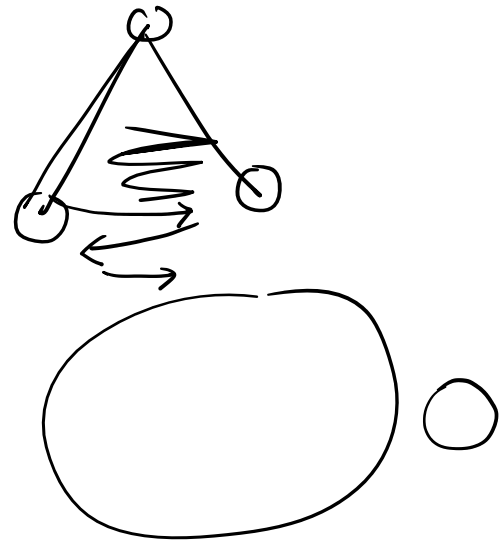
$$\frac{(H)}{(6)} = H_1$$

Q

15 min slow

Gravty \uparrow Slow

Gravty \downarrow fast



90 min

$$\frac{15 \times 5}{62} = 2.5 \text{ min slow}$$

Saturn \rightarrow 15 times

$$15 \times 15 = 225 \text{ min slow}$$

A (Time & Distance)

8. Time & Distance

$$Speed = \frac{Distance}{Time}$$

$$Time = \frac{Distance}{Speed}$$

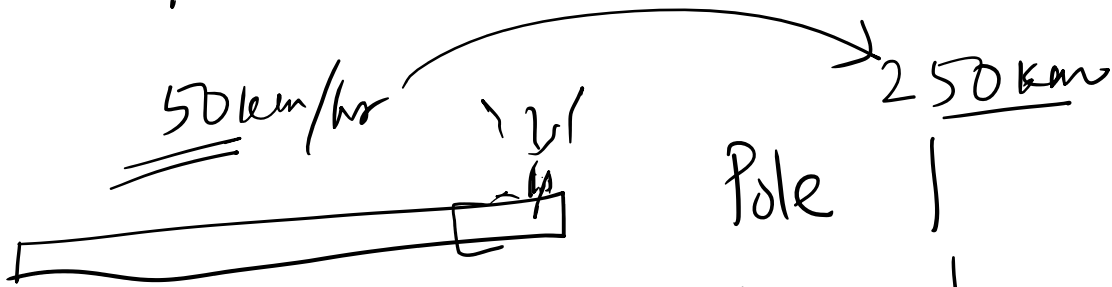
$$Speed = \frac{Distance}{Time}$$

$$Time = \frac{Distance}{Speed}$$

$$5 \text{ min} + 5 \text{ min} = 10 \text{ min}$$

$$5 \text{ km} + 12 \text{ km} = 17 \text{ km}$$

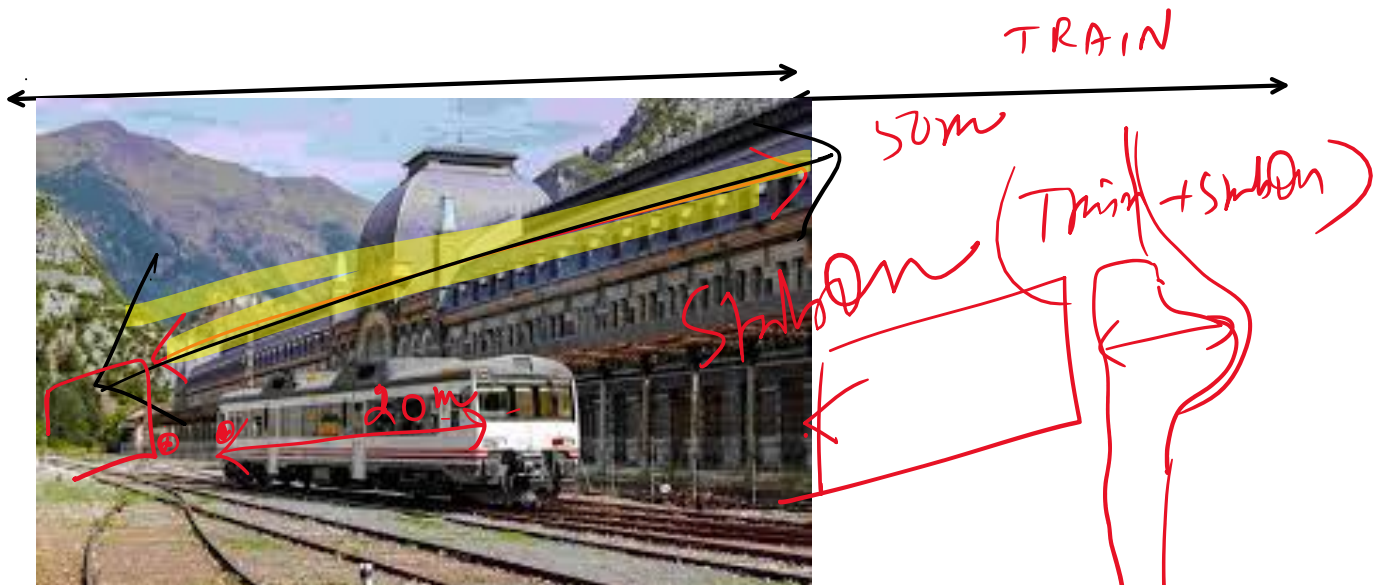
$$3 \text{ km/hr} + 4 \text{ km/hr} = 7 \text{ km/hr}$$



- Pole |
- Man |
- Point |
- 000 |

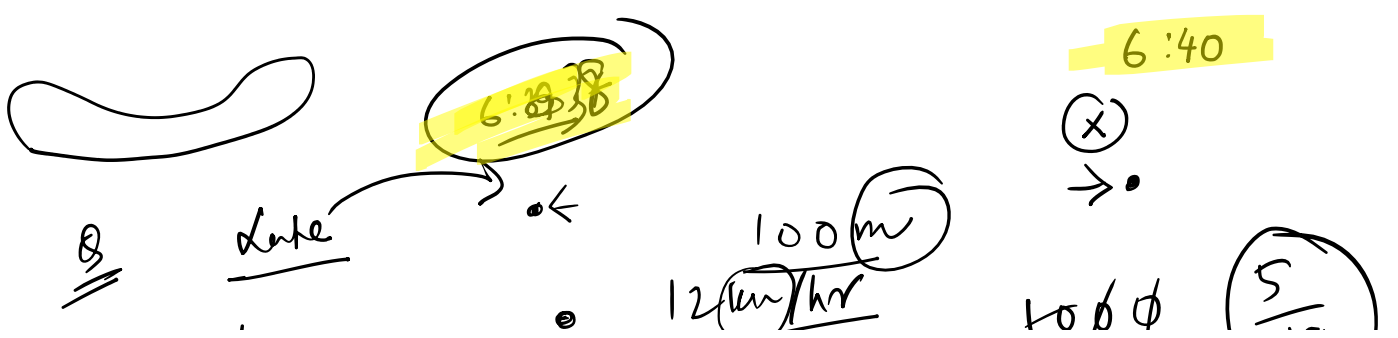
Station

TRAIN



6:15-6:20
 6:35
 6:38
 6:39
 6:40

Pole → own length
 Station → own length + Station
 50 km/hr
 2 km station
 100 m train



8

area

$\frac{15 \text{ km/hr}}{20 \text{ km/hr}}$
 $\frac{25}{30 \text{ km/hr}}$

$\frac{12 \text{ km/hr}}{18}$
 $2 \times \frac{12 \times 5}{18} \times 3$
 $= \frac{10}{3} \text{ m/s}$

$\frac{100 \text{ m}}{3600}$
 $\frac{5}{18}$

$1 \rightarrow \frac{10}{3}$
 $120 \rightarrow \frac{10 \times 40}{3}$

$\Rightarrow 400 \text{ m}$
 $2 \text{ min } 400 \text{ m}$

Amplitude Area

$\frac{700 \text{ km/hr}}{15 \text{ hr}}$

6 AM

700×15
 $= 10500 \text{ km}$

$6 \rightarrow 6 \text{ PM}$
 $\rightarrow 9 \text{ AM } \times \times$