

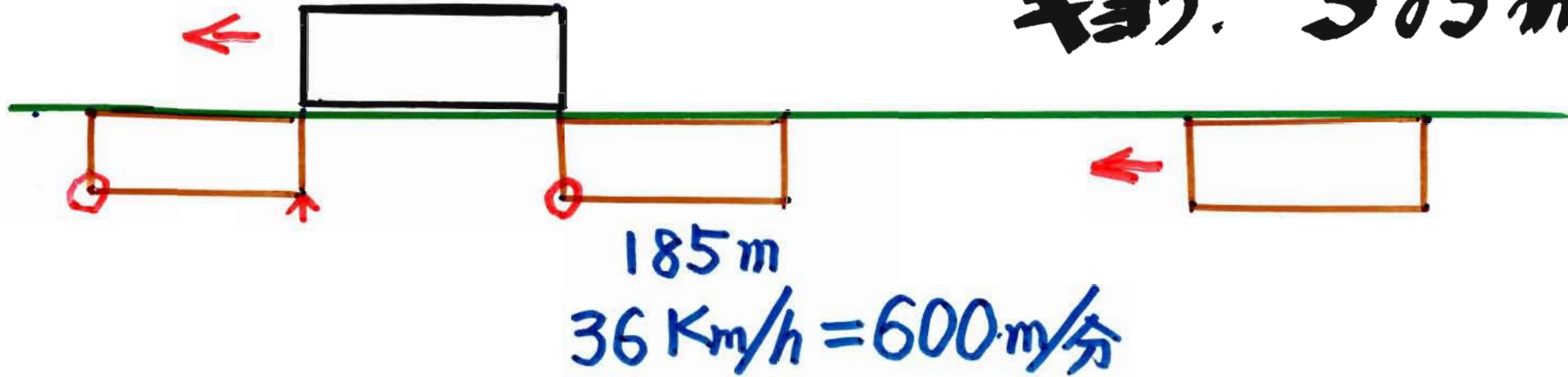
B47 62%

# ハジキの法則 速さ × 時間 = 距離

$$23.4 \text{ km/h} = 390 \text{ m/分}$$

200 m

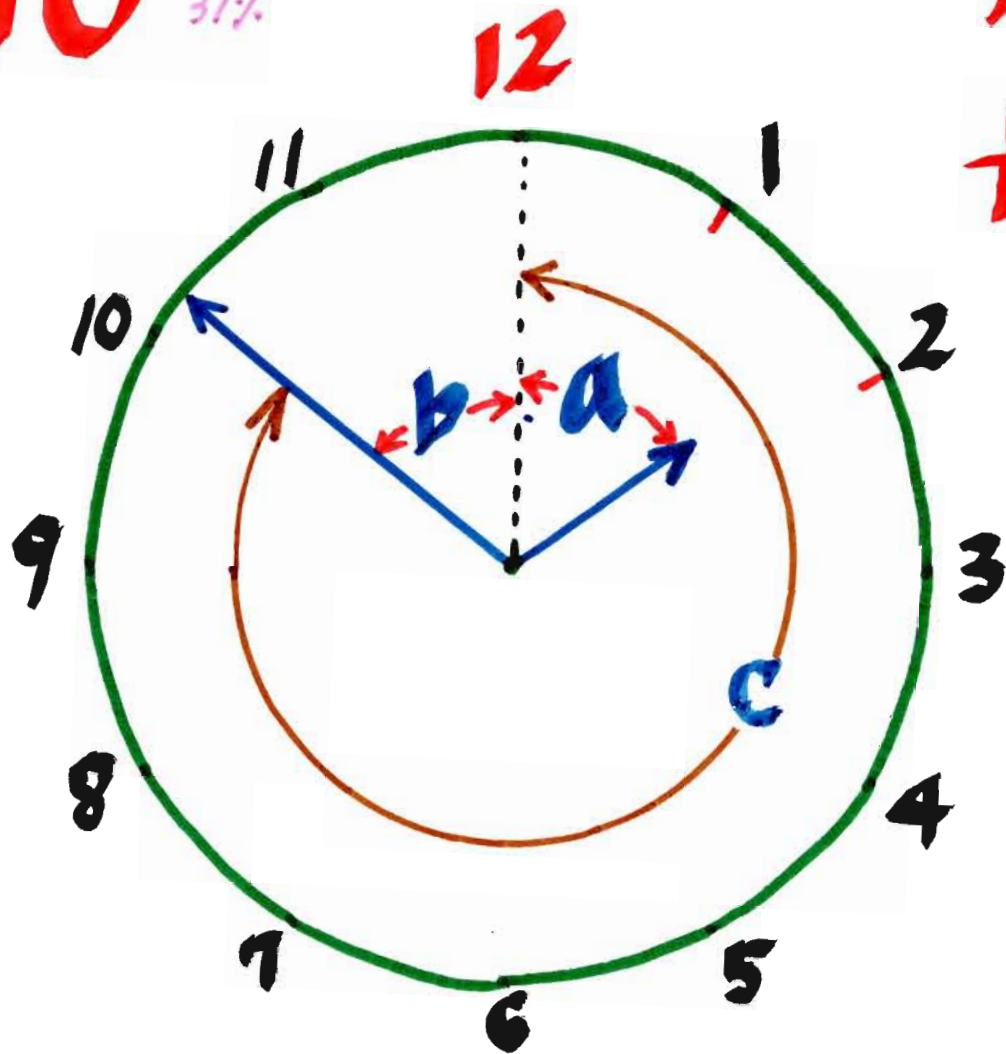
速さの差: 210 m/分  
距離: 385 m



$$\text{時間} = \frac{\text{距離}}{\text{速さ}} = \frac{385}{210} \times 60 = 110 \text{ 秒}$$

秒に換算

B4 10 37%



短針:  $30^\circ/\text{時} \rightarrow 0.5^\circ/\text{分}$

長針:  $360^\circ/\text{時} \rightarrow 6^\circ/\text{分}$

条件から

$$a = b$$

$$c + b = 360^\circ$$

$$c = 6^\circ \times x$$

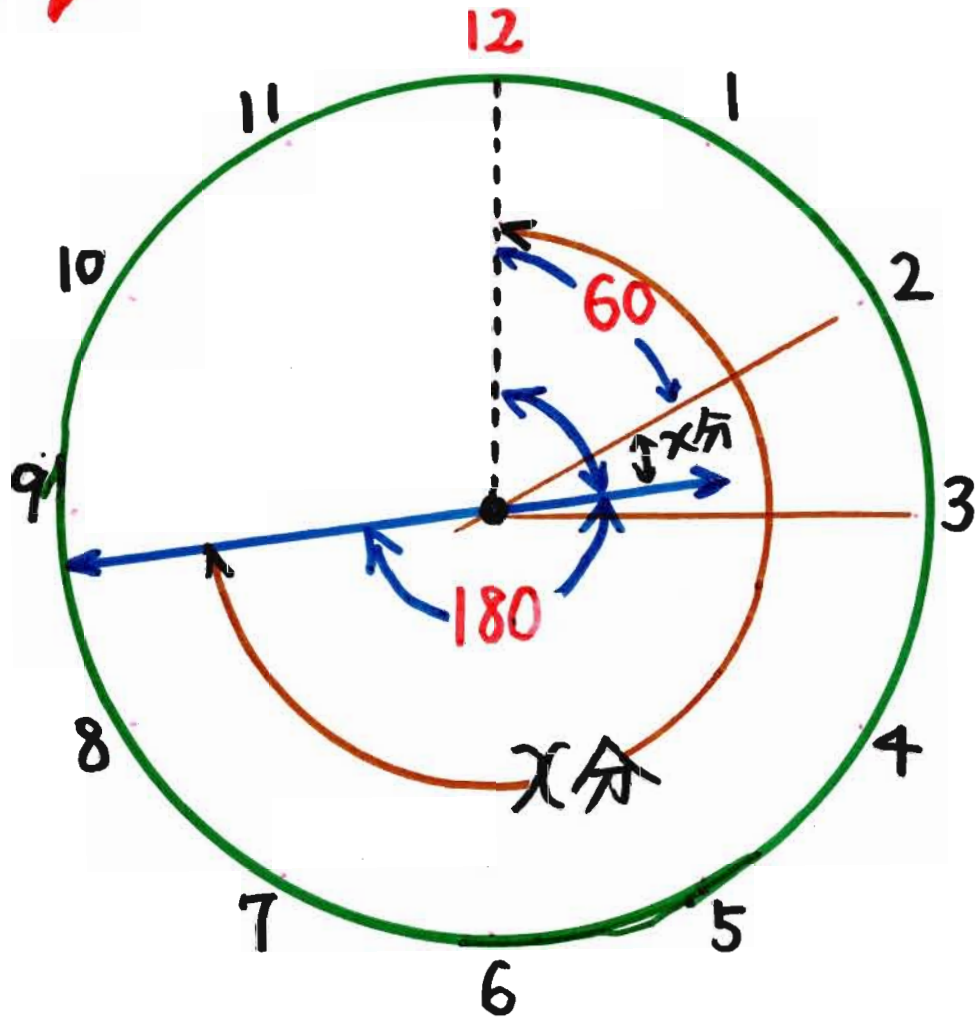
$$a = 0.5^\circ \times x + 30^\circ$$

$$6x + 0.5x + 30 = 360$$

計算

$$6.5x = 330 \rightarrow x = \frac{660}{13} \rightarrow \frac{50 \times 13 + 10}{13} \rightarrow 50 \frac{10}{13}$$

B4 9



短針  $60' + 0.5x$   
長針  $6x$

長針 = 短針 + 180

$$6x = 60 + 0.5x + 180$$

$$5.5x = 240$$

$$x = \frac{480}{11} = \frac{43 \times 11 + 7}{11}$$

$$= 43 \frac{7}{11}$$

