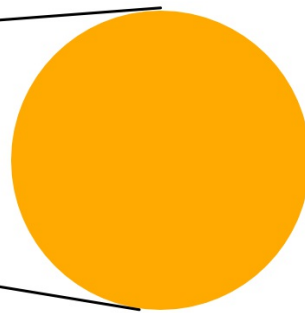
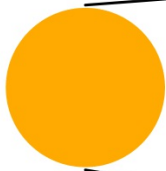


$$R_M \cdot d_n = R_A \cdot d_n$$

$$R_M \cdot N^{\circ} d_n = R_A \cdot N^{\circ} d_n$$

M

A



ϕ 10cm

50 RPM

ϕ 20cm

$$\underline{R \cdot d_M = R_A \cdot d_A}$$

$$50 \cdot 10 = R_A \cdot 20$$

$$R_A \cdot 20 = 500$$

$$R_A = \frac{500}{20} = 25 \text{ RPM}$$

$$R_M = 100$$

$$D_M = 50$$

$$D_A = 150$$

$$R_A = ?$$

$$R_M \cdot d_M = R_A \cdot d_A$$

$$100 \cdot 50 = R_A \cdot 150$$

$$5000 = R_A \cdot 150$$

$$R_A = \frac{5000}{150} = \boxed{} \text{ RPM}$$