

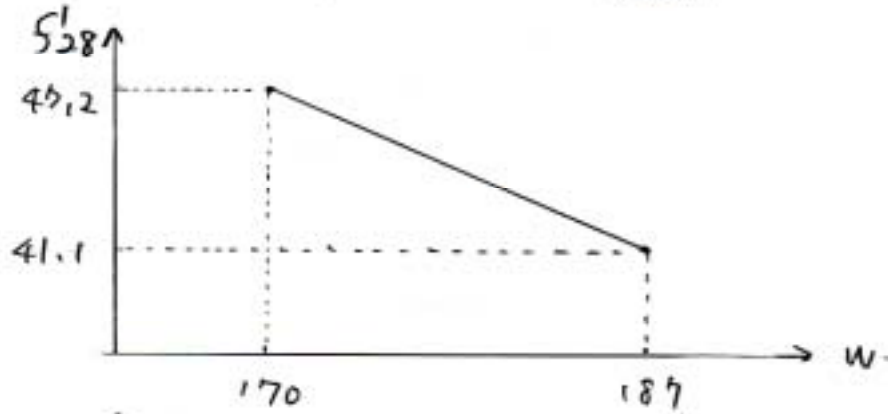
問2.

• $w = 170$ の時の σ'_{28} は.

$$\sigma'_{28} = -19.5 + 30.0 \times \frac{1}{0.45} = 47.2 \text{ (N/mm}^2\text{)}$$

• w が 10% 増加した時の σ'_{28} は.

$$\sigma'_{28} = -19.5 + 30.0 \times \frac{378}{170 \times 1.1} = 41.1 \text{ (N/mm}^2\text{)}.$$



低下率

$$\frac{(47.2 - 41.1)}{47.2} \times 100 = 12.9 = \underline{\underline{13\%}}$$