

Number of Seats Abreast

$$n_{SA} = 0.45 \sqrt{n_{pax}}$$

$$n_{SA}^2 = 0.45^2 \cdot n_{pax} = 0.45^2 \cdot n_R \cdot n_{SA}$$

$$\frac{n_{SA}}{n_R} = 0.45^2$$

$$\frac{n_R}{n_{SA}} = \frac{1}{0.45^2} = 4,938$$

$$\frac{1}{k_{SA}^2} = \frac{n_R}{n_{SA}}$$

$$k_{SA} = \sqrt{\frac{n_{SA}}{n_R}}$$

$$n_{SA} = k_{SA} \cdot \sqrt{n_{pax}}$$

$\uparrow \sqrt{\frac{n_{SA}}{n_R}}$