

$$\begin{aligned} \text{Lilitan} &= 2\pi j \\ &= \pi d \end{aligned}$$

$$\text{Luas bulatan} = \pi j^2$$

MATEMATIK BAB 5: BULATAN (Buku teks m.s. 86-92)

5.3 Lilitan dan Luas Bulatan

A. Cari luas bulatan apabila lilitan bulatan diberikan. ($\pi = \frac{22}{7}$)

<p>Contoh: Lilitan = 52.8 cm</p> <p>Lilitan = $2\pi j$ Jejari, $j = \frac{\text{Lilitan}}{2\pi}$</p> $= \frac{52.8}{2 \times \frac{22}{7}}$ <p>$j = 8.4 \text{ cm}$</p> <p>Luas bulatan = πj^2</p> $= \frac{22}{7} \times 8.4^2$ $= 221.76 \text{ cm}^2$	<p>Lilitan = 188.52 cm</p> <p>Jejari, $j = \frac{\text{Lilitan}}{2\pi}$</p> $j = \frac{\quad}{2 \times \frac{22}{7}}$ <p>$j = \text{■}$</p> <p>Luas bulatan = πj^2</p> $= \frac{22}{7} \times \quad^2$ $= \text{■} \text{ cm}^2$
<p>Lilitan = 132 cm</p> <p>Jejari, $j = \frac{\text{Lilitan}}{2\pi}$</p> $j = \frac{\quad}{2 \times \frac{22}{7}}$ <p>$j = \text{■}$</p>	<p>Luas bulatan = πj^2</p> $= \frac{22}{7} \times \quad^2$ $= \text{■} \text{ cm}^2$