



50) distance travelled by ant

$$= \text{length of arc} + 2l$$

$$= 2\pi r + 2l$$

$$= 2 \times \frac{22}{7} \times \frac{1.4 \cdot 2}{2} + 2 \times 2$$

$$= 8.8 + 4$$

$$= 12.8 \text{ cm}$$

longest round = 15.8 cm (b)