

5 Area and circles – Part 2 — Answers

Answers

Work through these after trying the questions yourself.

5.6 $7 \times 3 = 21 \text{ cm}^2$.

5.7 $\frac{1}{2} \times 6 \times 4 = 12 \text{ cm}^2$.

5.8 10 cm.

5.9 $\pi d = 3.14 \times 10 = 31.4 \text{ cm}$.

5.10 $\pi r^2 = 3.14 \times 3^2 = 3.14 \times 9 = 28.26 \text{ cm}^2$.

5.11 The radius is $r = 14 \div 2 = 7 \text{ cm}$, so area $= \pi r^2 = 3.14 \times 7^2 = 3.14 \times 49 = 153.86 \text{ cm}^2$.