

Answers: Area and Volume

1: a) Area = $\frac{1}{2} \times 28 \times 14 = 196\text{cm}^2$

b) Area = $\frac{1}{2} \times 16 \times 13 = 104\text{cm}^2$

2: a) Area = $9 \times 9 = 81\text{cm}^2$

b) Area = $9 \times 5 = 45\text{cm}^2$

3: a) Area = $3 \times 3 = 9\text{cm}^2$

b) Area = $11 \times 29 = 319\text{cm}^2$

4: a) Area = $\frac{1}{2} \times (12 + 2) \times 8 = 56\text{cm}^2$

b) Area = $\frac{1}{2} \times (7 + 3) \times 5 = 25\text{cm}^2$

5: a) Area = $120 - 35 = 85\text{cm}^2$

b) Area = $35 - 12 = 23\text{cm}^2$

6: a) Circumference = $48\pi = 151\text{cm}$

b) Circumference = $60\pi = 188\text{cm}$

7: a) Area = $529\pi = 1660\text{cm}^2$

b) Area = $100\pi = 314\text{cm}^2$

8: a) Volume = 180 cm^3

b) Volume = 32 mm^3

9: a) Curved surface area = 12.6 m^2

b) Curved surface area = 56.5 mm^2

10: a) Volume = 314 m^3

b) Volume = 503 cm^3