

# Area and Perimeter

EG 0.2.20.2.1  
 To find the area of compound shapes

1)  $12 \text{ cm}^2$   
 b)  $18 \text{ cm}^2$   
 c)  $17 \text{ cm}^2$

2)  $12 \text{ cm}^2$   
 a)  $10 \text{ cm}^2$   
 b)  $22 \text{ cm}^2$

3)  $72 \text{ cm}^2$   
 a)  $72 \text{ cm}^2$   
 b)  $30 \text{ m}^2$

4)  $41 \text{ cm}^2$

5)  $140 \text{ cm}^2$

6)  $200 \text{ mm}^2$

7)  $46 \text{ cm}$

To calculate perimeter

1)  $14 \text{ cm}$   
 a)  $14 \text{ cm}$   
 b)  $16 \text{ cm}$   
 c)  $22 \text{ cm}$

2)  $22 \text{ cm}$   
 a)  $22 \text{ cm}$   
 b)  $24 \text{ cm}$

3)  $26 \text{ cm}$   
 a)  $26 \text{ cm}$   
 b)  $4 \text{ cm}$

4)  $30 \text{ cm}$   
 a)  $30 \text{ cm}$   
 b)  $37 \text{ cm}$

5)  $35$   
 a)  $35$   
 b)  $34$

6)  $35$   
 a)  $35$   
 b)  $34$

7)  $35$   
 a)  $35$   
 b)  $34$

8)  $35$   
 a)  $35$   
 b)  $34$

9)  $35$   
 a)  $35$   
 b)  $34$

10)  $35$   
 a)  $35$   
 b)  $34$

4. a)

b)

c. He calculated the rectangle area

5. a)  $94 \text{ cm}^2$   
 b)  $0.9 \text{ m}^2$

6.  $46 \text{ cm}$

To find the area of rectangles

1.  $9 \text{ m}$   
 a)  $1 \text{ km}$   
 b)  $1.9 \text{ km}$

2.  $5$   
 a)  $52 \text{ mm}$

3.  $2.5$   
 a)  $74 \text{ m}$

4.  $10^2$   
 a)  $1 \text{ km}$   
 b)  $1.7 \text{ km}$   
 c)  $1.4 \text{ km}$

5.  $2$   
 a)  $2$

6.  $2 \times 6 = 12$   
 a)  $2.1 \text{ m}^2$   
 b)  $1.0 \text{ cm}^2$   
 c)  $1.5 \text{ m}^2$   
 d)  $7 \text{ cm}^2$   
 e)  $4 \text{ cm}^2$   
 f)  $1.0 \text{ cm}^2$

1)  $3 + 4 + 2 + 2 + 5 + 6 = 22 \text{ cm}$   
 $6 \cdot 9 + 6 \cdot 5 + 3 + 3 + 1 + 2 + 2 = 76 \text{ cm}$

2)  $10 + 3 + 5 + 7 + 5 = 30 \text{ cm}$

3)  $6 \cdot 9 + 8 + 4 + 3 + 5 + 5 = 34 \text{ cm}$   
 a)  $2 \text{ cm}$  and  $3 \text{ cm}$

4) a)  $9 + 3 + 5 + 4 + 9 = 30 \text{ cm}$   
 b)  $12 + 5 + 2 + 2 + 10 + 3 = 34 \text{ cm}$

1.  $9 \text{ m} \times 90 \text{ m}$  ✓  $2. 30 \times 6 \times 2$  ✓  $3. 8^2 \times 25$  ✓  $4. 100 \times 10^2$  ✓

1. a)  $1 \text{ cm}^2$  b)  $5 \text{ m}^2$  c)  $10 \text{ cm}^2$

2. a)  $4 \cdot 8 \cdot 3 \times 4 \times 4$

3. a)  $2 \text{ km}^2$  b)  $10 \text{ cm}^2$  c)  $15 \text{ cm}^2$  d)  $7 \text{ km}^2$

4. a)  $9 \text{ cm}^2$  b)  $5 \text{ cm}^2$  c)  $9 \text{ cm}^2$  d)  $10 \text{ cm}^2$

5. a)  $4 \cdot 3 \text{ cm}^2$  b)  $10 \text{ cm}^2$

6.

7.  $2 \text{ km}^2$

8.  $1 \cdot 1 \cdot 12 \cdot 12 = 8$

We have been working hard to find the area and perimeter of a variety of shapes and have solved some tricky problems involving these skills!