

## Area and Perimeter Solutions

1. Areas and perimeters
  - (a)  $25\text{cm}^2$ ,  $20\text{cm}$
  - (b)  $49\text{cm}^2$ ,  $28\text{cm}$
  - (c)  $81\text{cm}^2$ ,  $36\text{cm}$
2. Side lengths.
  - (a)  $6\text{cm}$
  - (b)  $10\text{cm}$
  - (c)  $13\text{cm}$
3.  $10\text{cm}$ ,  $100\text{cm}^2$
4.  $25\text{cm}^2$
5.  $28\text{cm}$
6.  $36\text{cm}$
7. Area and Perimeter rectangles.
  - (a)  $36\text{cm}^2$ ,  $26\text{cm}$
  - (b)  $91\text{cm}^2$ ,  $40\text{cm}$
  - (c)  $76.5\text{cm}^2$ ,  $35\text{cm}$
8. Rectangles side x.
  - (a)  $5\text{cm}$
  - (b)  $11\text{cm}$
  - (c)  $17\text{cm}$
9. Perimeter of each rectangle above.
  - (a)  $30\text{cm}$
  - (b)  $30\text{cm}$
  - (c)  $40\text{cm}$
10. Area of the triangles
  - (a)  $30\text{cm}^2$
  - (b)  $30\text{cm}^2$

- (c)  $28\text{cm}^2$   
(d)  $18\text{cm}^2$
11. Side  $x$  in triangles.  
(a)  $5\text{cm}$   
(b)  $14\text{cm}$   
(c)  $16\text{cm}$
12. Area of shapes.  
(a)  $74\text{cm}^2$   
(b)  $90\text{cm}^2$   
(c)  $100\text{cm}^2$   
(d)  $48\text{cm}^2$   
(e)  $68\text{cm}^2$
13. Area and Circumference of circles.  
(a)  $154\text{cm}^2$ ,  $44\text{cm}$   
(b)  $308\text{cm}^2$ ,  $88\text{cm}$   
(c)  $77\text{cm}^2$ ,  $22\text{cm}$
14. Area and Circumference of circles.  
(a)  $78.5\text{cm}^2$ ,  $31.4\text{cm}$   
(b)  $157\text{cm}^2$ ,  $62.8\text{cm}$   
(c)  $28.26\text{cm}^2$ ,  $18.84\text{cm}$
15. Radius of the following circles.  
(a)  $5\text{cm}$   
(b)  $7\text{cm}$   
(c)  $10\text{cm}$
16. Circumference of circles.  
(a)  $18.9\text{cm}$   
(b)  $25.1\text{cm}$   
(c)  $50.3\text{cm}$
17. Area of circles given circumference.  
(a)  $140.4\text{cm}^2$   
(b)  $62.5\text{cm}^2$   
(c)  $97.5\text{cm}^2$
18. Area of parallelograms.  
(a)  $120\text{cm}^2$   
(b)  $80\text{cm}^2$   
(c)  $64\text{cm}^2$