

1.  $A = 170 \text{ cm}^2, P = 54 \text{ cm}$

2.  $A = 75 \text{ cm}^2, P = 40 \text{ cm}$

3.  $1,452 \text{ m}$

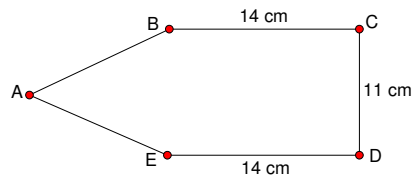
4.  $972 \text{ cm}^2$

5.  $52 \text{ cm}$

6.  $98 \text{ cm}$

7.  $13 \text{ cm}^2$

8. We know that  $AB + AE + BC + CD + ED = 55$ . We subtract the lengths we know from 55,  $55 - 14 - 11 - 14 = 16$  to get the lengths  $AB + AE$ . But since  $AB = AE$ , we divide  $16 \div 2 = 8 \text{ cm}$ .



9.  $15 \text{ cm}$

10. First we should draw the flower bed into the diagram. Notice that since the flower bed is 1-yard wide, it creates a rectangle that is  $15 + 1 + 1 = 17$  yards wide and  $7 + 1 + 1 = 9$  yards long.

Now the area of the flower bed is the area of the larger rectangle minus the area of the smaller rectangle:

$$(17 \times 9) - (15 \times 7) = 153 - 105 = 48 \text{ yd}^2$$

