**p.22**

1. Diagrams may vary. 36, 121 2 a) 64 b) 7 c) 144 d) 11 3 a) 1, 2, 5, 10, 25, 50

b) 1, 2, 4, 7, 14, 28, 49, 98, 196 c) 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84 d) 1, 3, 5, 7, 15, 25, 45, 75, 225 4. a) cm b) 13cm (circle) c) cm 5. 10 square units. units

**p.23**

6. units 7. a) 8 b) 54 c) 153 8. a) 6 and 7 b) 4 and 5 c) 7 and 8 d) 11 and 12

9. a) 6.7 b) 4.2 c) 7.4 d) 11.6 10. a) 8.66 b) 9.49 11. a) 32 b) 100 12. a) 25 units

b) 8.9 units c) 10 units 13. a) not a right triangle because 

b) right triangle because 