Master 1.31a **Extra Practice Sample Answers**
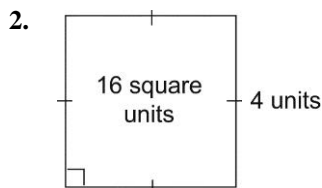
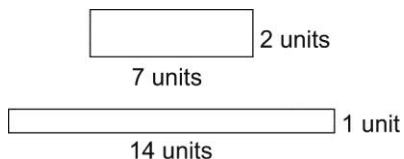# Extra Practice 1 – Master 1.24
Lesson 1.1
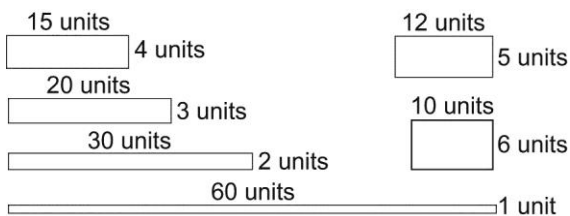**1. a)** 49 square units **b)** 121 square units

2.

$16 = 4 \times 4$.
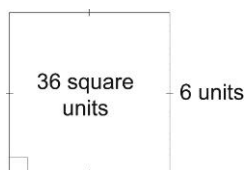A square with area 16 square units has side length
4 units.

3. a) Not a square. The rectangles with area
14 square units are:

b) Not a square. The rectangles with area 60 square
units are:

c) A square. I can draw a square with side length
6 units whose area is 36 square units.

4. a) 4 and 9   **b)** 25 and 36
   c) 49 and 64   **d)** 81 and 100
5. 49
6. a) 15 m by 15 m
   b) 60 m
   c) 3 strings

Extra Practice 2 – Master 1.25
Lesson 1.2
1. a) 36   **b)** 121   **c)** 25
2. a) 7   **b)** 8   **c)** 14
3. a) i) 70: 1, 2, 5, 7, 10, 14, 35, 70
   Not a square since it has an even number of
   factors
   ii) 144: 1, 2, 3, 4, 6, 8, 9, 12, 16, 18, 24, 36, 48,
   72, 144
   This is a square since it has an odd number of
   factors.
   iii) 180: 1, 2, 3, 4, 5, 6, 9, 10, 12, 15, 18, 20, 30,
   36, 45, 60, 90, 180
   Not a square since it has an even number
   of factors
   b) ii) 12
4. a) Not a square since it has an even number of
   factors
   b) This is a square since it has an odd number of
   factors. The square root of 196 is 14.
   c) This is a square since it has an odd number of
   factors. The square root of 441 is 21.
5. 576
6. a) 12   **b)** 15   **c)** 37
7. a) 9   **b)** 121   **c)** 841

Master 1.31b