



$$28 = 10 + 2 \cdot l$$

$$l = (28 - 10) / 2 = 9$$

By the Pythagorean theorem:

$$h = \sqrt{15^2 - 9^2} = 12$$

$$P = 2 \cdot 15 + 10 + 28 = 68$$

P - perimeter

$$S = (28 + 10) / 2 \cdot 12 = 228$$

S - area

Answer: 68 ft of fencing will be needed to enclose the garden, 228 square feet of garden will be available for planting.