

Lesson 8: Area of a Rectangle

Reference: Math Makes Sense Text, pgs 231-234

1. Which rectangle has the greatest area? How do you know? Show work!!!
 - a) Rectangle A: length 20 cm and width 5 cm
 - b) Rectangle B: length 13 cm and width 12 cm
 - c) Rectangle C: length 36 cm and width 9 cm
2. The perimeter of a rectangle is 30 cm. Find the whole-number dimensions of the rectangle with:
 - a) the greatest area
 - b) the least area

3. Complete this chart. Which strategy did you use to find the missing number each time? Show work!!!

Rectangle	Length (m)	Width (m)	Area (m ²)
A	9	11	
B	15		60
C		3	48
D	6		33
E	7.8	6	

4. Rectangle A has area 70 cm² and width 5 cm. Rectangle B has one-half the area of Rectangle A. The rectangles have the same width. What is the length of Rectangle B?
5. Taylor's rectangular garden is enclosed with 24 m of fencing. Show work and picture!!!
 - A) What is the least possible area of Taylor's garden?
 - B) What is the greatest possible area?