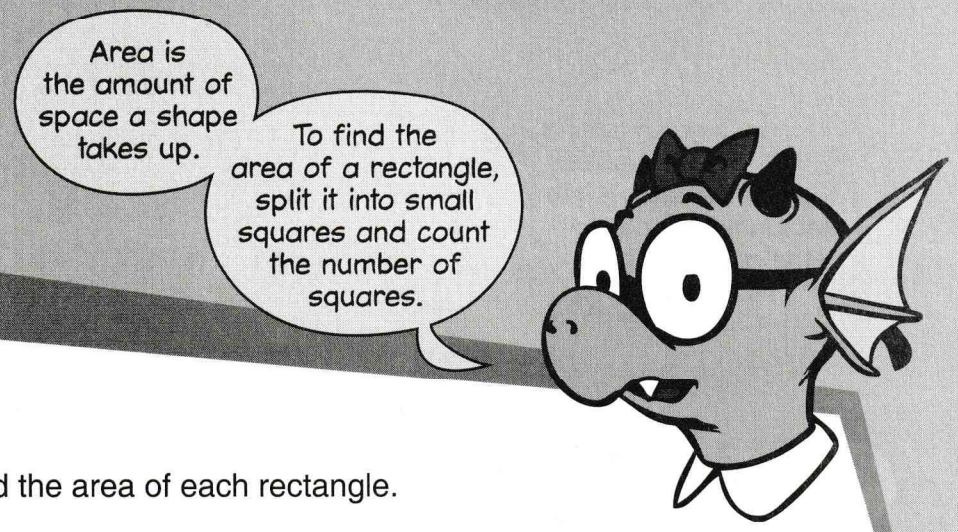
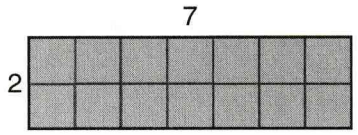
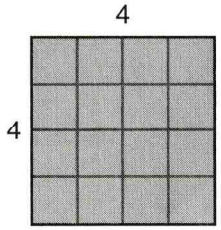


PRACTICE | Find the area of each rectangle.

71.



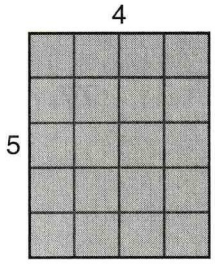
72.



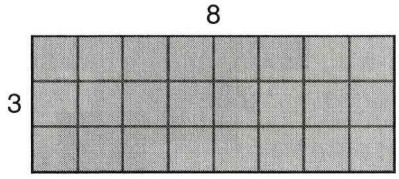
71. _____

72. _____

73.



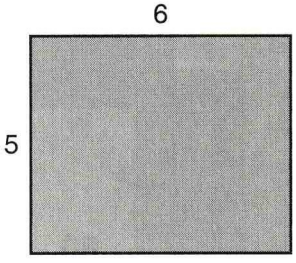
74.



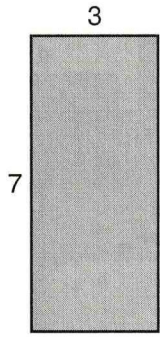
73. _____

74. _____

75.



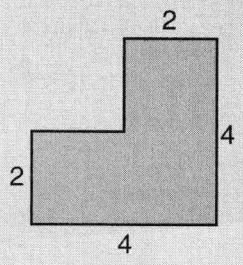
76.



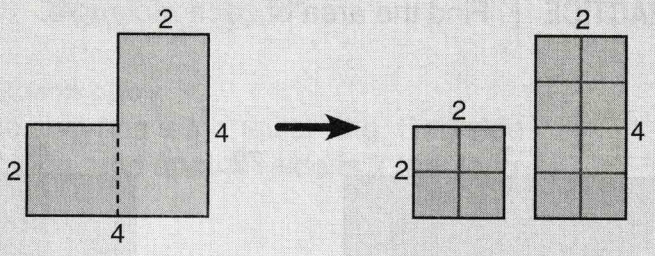
75. _____

76. _____

EXAMPLE | Find the area of the rectilinear shape below.



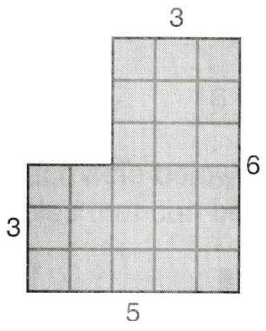
To find the area of this shape, we can split it into two rectangles like this:



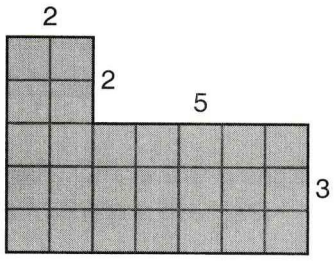
Then we add the areas of the rectangles: $4+8=12$.
The area of the shape is **12 squares**.

PRACTICE | Find the area of each rectilinear shape.

77.



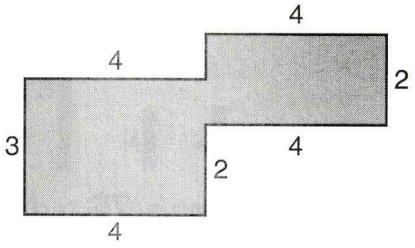
78.



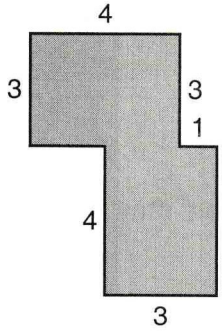
77. _____

78. _____

79.



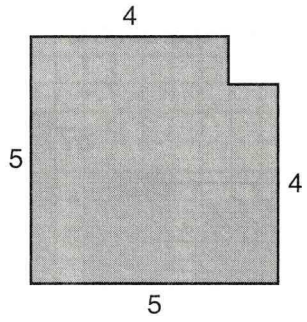
80.



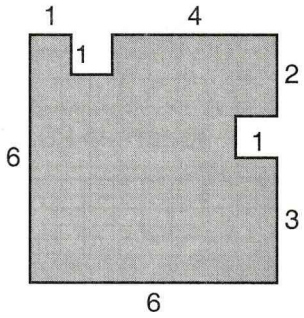
79. _____

80. _____

81.



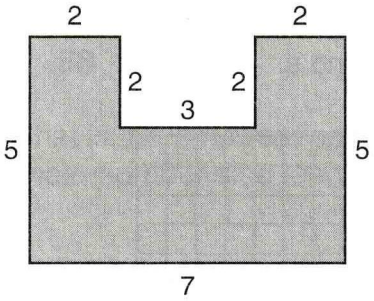
82.



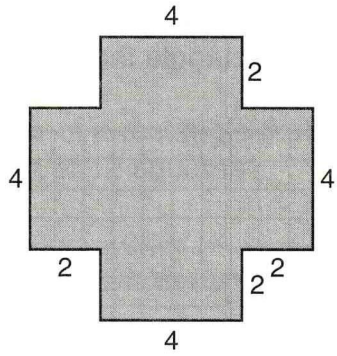
81. _____

82. _____

83.



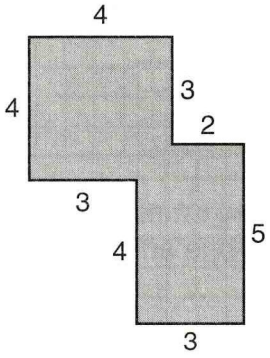
84.



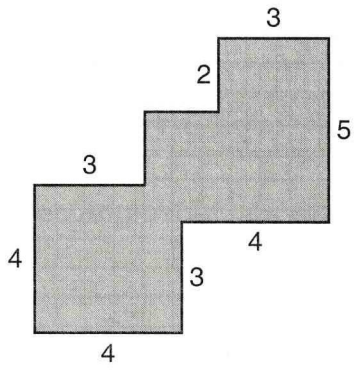
83. _____

84. _____

85. ★



86. ★★



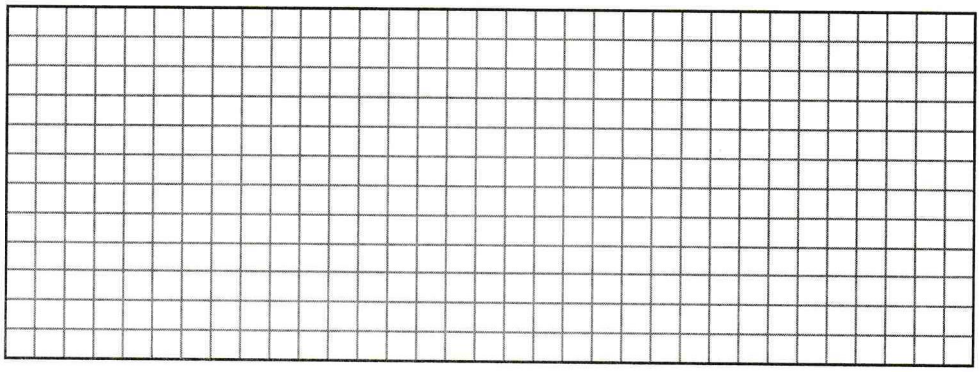
85. _____

86. _____

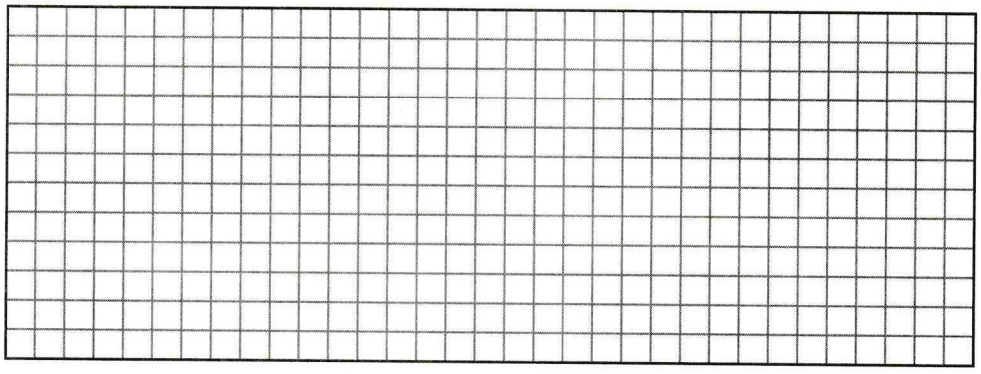
PRACTICE

Each small square in the grids below has side length 1.
You may use the grids to help answer the questions.

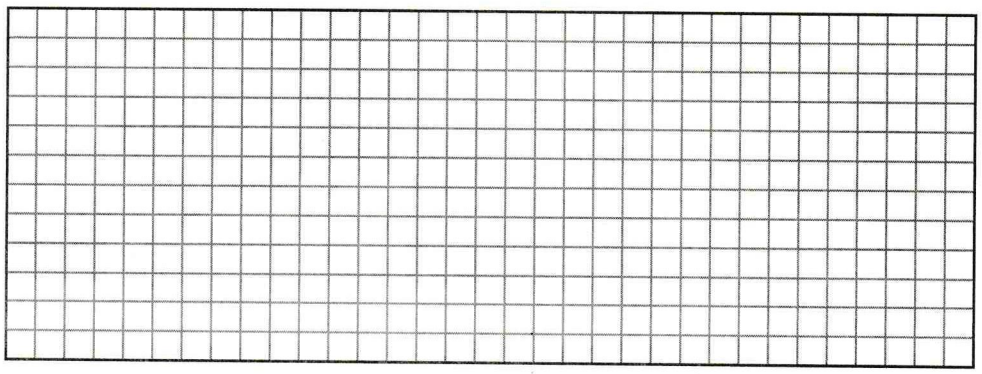
87. The perimeter of a square is 20. What is its area? **87.** _____



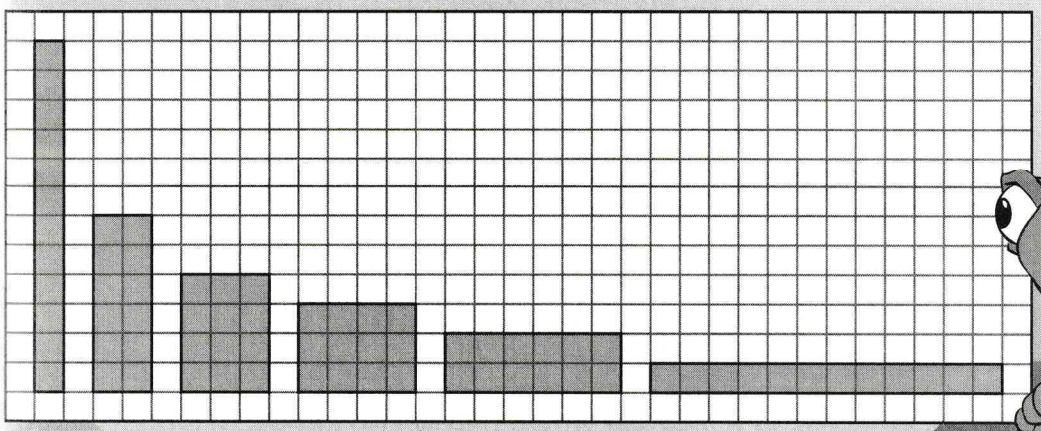
88. What is the area of a rectangle that has a width of 7 and a perimeter of 18? **88.** _____

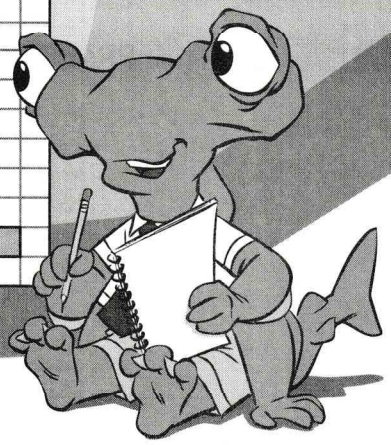


89. A rectangle covers an area of 11 squares. **89.** _____
The length of each side of the rectangle is a whole number.
What is the perimeter of this rectangle?



Alex has drawn all of the rectangles with whole-number side lengths and area equal to 12 squares. Use this diagram for the problems below.



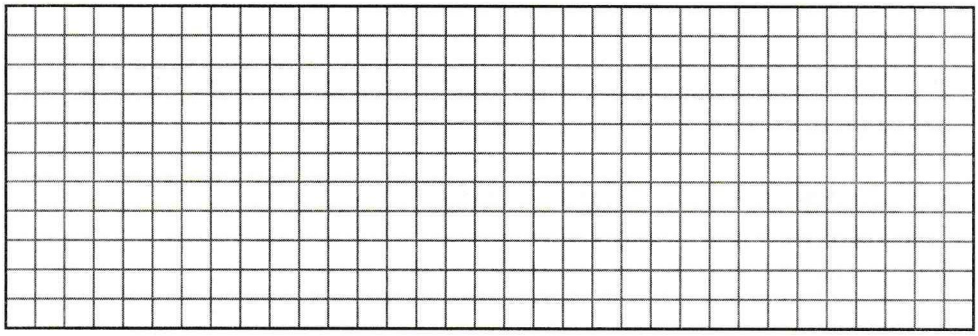


90. What is the ***largest*** possible perimeter of a rectangle that has whole-number side lengths and an area of 12 squares? **90.** _____

91. What is the ***smallest*** possible perimeter of a rectangle that has whole-number side lengths and an area of 12 squares? **91.** _____

Next, Alex wants to compare the rectangles that have whole-number side lengths and a perimeter of 12.

92. ★ Use the grid below to trace all of the rectangles that have whole-number side lengths and a ***perimeter*** of 12.



93. What is the ***largest*** possible area of a rectangle that has whole-number side lengths and a perimeter of 12? **93.** _____

94. What is the ***smallest*** possible area of a rectangle that has whole-number side lengths and a perimeter of 12? **94.** _____