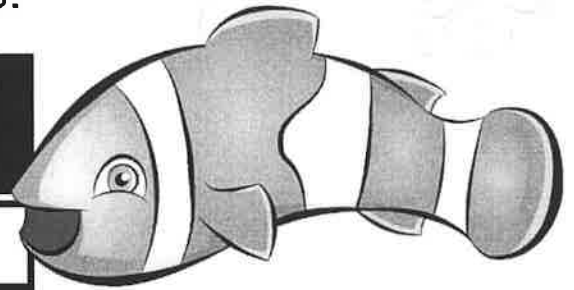


NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

## Why was the fish swimming sideways?

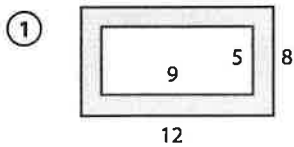


Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.  
**Note:** The problem numbers match the numbered rectangles.

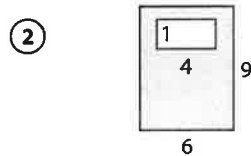
- |             |               |             |              |              |              |
|-------------|---------------|-------------|--------------|--------------|--------------|
| <b>H</b> 28 | <b>F</b> 21   | <b>M</b> 63 | <b>T</b> 36  | <b>E</b> 209 | <b>A</b> 105 |
| <b>I</b> 50 | <b>C</b> 14   | <b>R</b> 57 | <b>W</b> 803 | <b>L</b> 15  |              |
| <b>O</b> 44 | <b>S</b> 40.5 | <b>N</b> 38 | <b>U</b> 51  | <b>B</b> 53  |              |

**LEGEND**

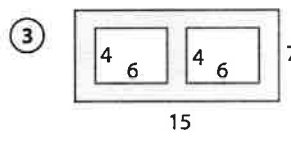
Find the area of the shaded regions in problems 1–12. Assume all answers are in units squared:



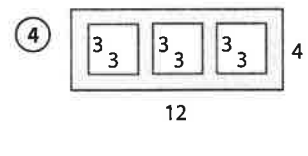
Area = \_\_\_\_\_



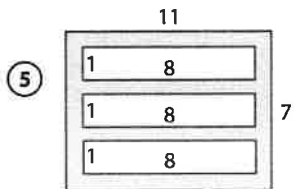
Area = \_\_\_\_\_



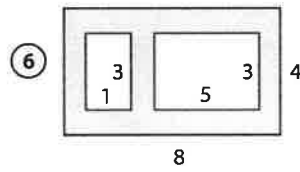
Area = \_\_\_\_\_



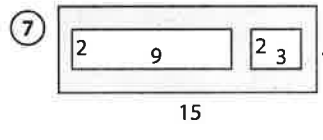
Area = \_\_\_\_\_



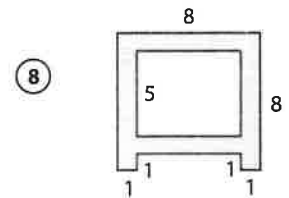
Area = \_\_\_\_\_



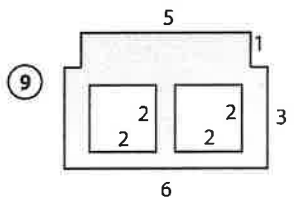
Area = \_\_\_\_\_



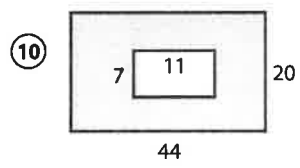
Area = \_\_\_\_\_



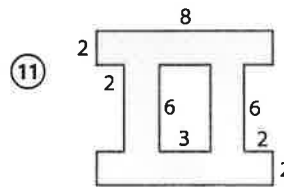
Area = \_\_\_\_\_



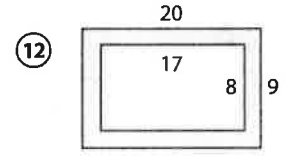
Area = \_\_\_\_\_



Area = \_\_\_\_\_



Area = \_\_\_\_\_



Area = \_\_\_\_\_

⑬ A quilt measuring 9 feet by 6 feet has a blue background with 6 gray squares in the middle measuring 1.5 feet by 1.5 feet. What is the area, in square feet, of the blue part of the quilt?  
 \_\_\_\_\_ ft<sup>2</sup>

⑭ A garden is a square measuring 13 feet on each side. The garden has two planter boxes measuring 4 feet by 8 feet. What is the area of the garden NOT contained in the planter boxes?  
 \_\_\_\_\_ ft<sup>2</sup>

⑮ A carpeted room measuring 14 feet by 16 feet has a fireplace whose brick base measures 1.5 feet by 6 feet. It also has a rectangular section measuring 3 feet by 2 feet that is tiled. How many square feet of carpeting does the room have?  
 \_\_\_\_\_ ft<sup>2</sup>

- |   |   |    |    |   |    |   |    |    |    |    |   |    |    |   |   |    |   |   |    |   |    |    |   |    |
|---|---|----|----|---|----|---|----|----|----|----|---|----|----|---|---|----|---|---|----|---|----|----|---|----|
|   |   |    |    |   |    |   |    |    |    |    |   |    |    |   |   |    |   |   |    |   |    |    |   |    |
| 8 | 2 | 13 | 13 | 6 | 14 | 9 | 15 | 13 | 10 | 15 | 3 | 15 | 12 | 1 | 7 | 12 | 4 | 5 | 14 | 9 | 14 | 11 | 6 | 15 |

**Skill:** Finding area between rectangles

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# Which ruler was only one foot tall?

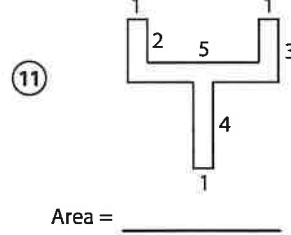
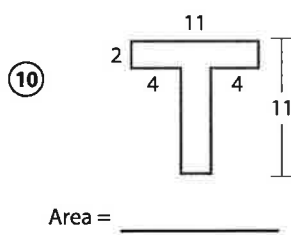
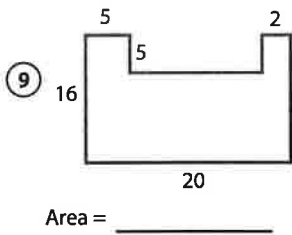
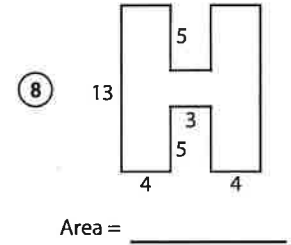
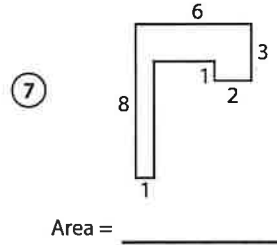
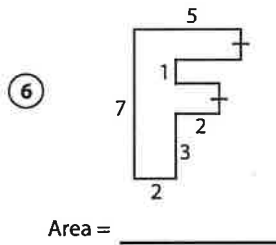
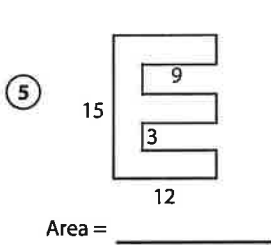
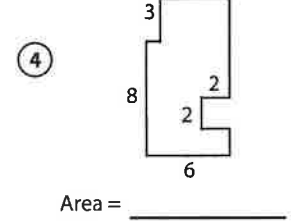
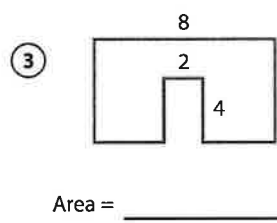
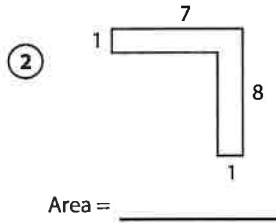
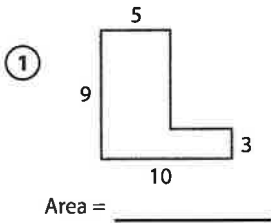


Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.  
**Note:** The problem numbers match the numbered rectangles.

- |               |              |                |              |              |
|---------------|--------------|----------------|--------------|--------------|
| <b>S</b> 40   | <b>T</b> 255 | <b>V</b> 20    | <b>W</b> 113 | <b>H</b> 126 |
| <b>P</b> 29   | <b>L</b> 60  | <b>I</b> 136.5 | <b>K</b> 14  |              |
| <b>N</b> 21.5 | <b>C</b> 49  | <b>D</b> 59    | <b>E</b> 15  |              |

**LEGEND**

Find the area of each figure in problems 1–11. Assume all answers are in units squared:



⑫ A room measures 12 feet by 12 feet and needs to be recarpeted. In the room there is a fireplace that has a rectangular base measuring 5 feet by 1.5 feet. How many square feet of carpet is needed to recarpet the room?

\_\_\_\_\_ ft<sup>2</sup>

- |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |   |    |   |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|----|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |   |    |   |
| 9                        | 5                        | 11                       | 2                        | 12                       | 6                        | 4                        | 8                        | 12                       | 9                        | 5                        | 9                        | 8                        | 11                       | 1                        | 7                        | 11                       | 12                       | 6                        | 10                       | 5 | 11 | 3 |

**Skill:** Finding the area of complex figures with right angles