

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

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

## What soap do porpoises use at the aquarium?

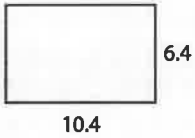


Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.

**Note:** The problem numbers match the numbered rectangles.

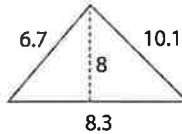
- |          |        |         |         |         |        |         |
|----------|--------|---------|---------|---------|--------|---------|
| C 6      | A 25.1 | R 20    | A 41    | S 67.8  | A 492  | R 40.05 |
| L 33.6   | I 40   | P 180   | O 66.56 | L 12    | E 33.2 | E 24    |
| P 207.72 | E 73   | L 26.02 | N 92    | N 79.56 | O 25   |         |

**LEGEND**



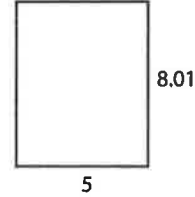
① Find the area:  
\_\_\_\_\_ units<sup>2</sup>

② Find the perimeter:  
\_\_\_\_\_ units



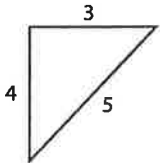
③ Find the area:  
\_\_\_\_\_ units<sup>2</sup>

④ Find the perimeter:  
\_\_\_\_\_ units



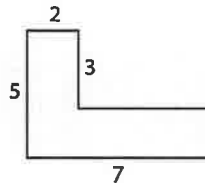
⑤ Find the area:  
\_\_\_\_\_ units<sup>2</sup>

⑥ Find the perimeter:  
\_\_\_\_\_ units



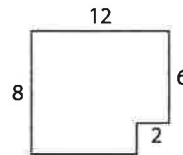
⑦ Find the area:  
\_\_\_\_\_ units<sup>2</sup>

⑧ Find the perimeter:  
\_\_\_\_\_ units



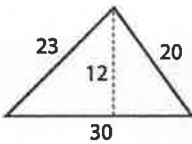
⑨ Find the area:  
\_\_\_\_\_ units<sup>2</sup>

⑩ Find the perimeter:  
\_\_\_\_\_ units



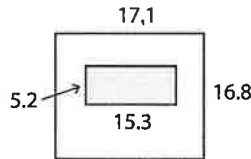
⑪ Find the area:  
\_\_\_\_\_ units<sup>2</sup>

⑫ Find the perimeter:  
\_\_\_\_\_ units



⑬ Find the area:  
\_\_\_\_\_ units<sup>2</sup>

⑭ Find the perimeter:  
\_\_\_\_\_ units

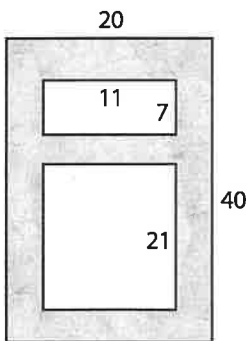


⑮ Find the area of the shaded portion:  
\_\_\_\_\_ units<sup>2</sup>

⑯ Find the area of the unshaded portion:  
\_\_\_\_\_ units<sup>2</sup>

⑰ Find the perimeter of the shaded portion:  
\_\_\_\_\_ units

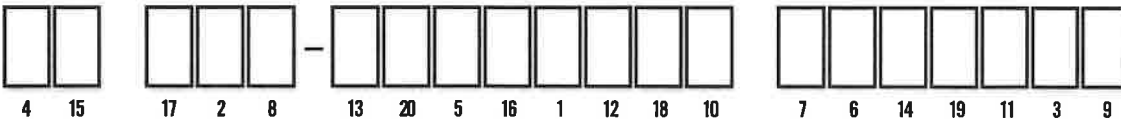
⑱ Find the perimeter of the outside of the unshaded portion:  
\_\_\_\_\_ units



Jill plans to redo her backyard using the dimensions in the diagram to the left (dimensions are in feet). The white rectangles represent planter boxes. The shaded portion is a stone patio.

⑲ Find the area of the stone patio.  
\_\_\_\_\_ ft<sup>2</sup>

⑳ The planter boxes will be built with boards that are 4 feet long. How many 4 foot boards does Jill need to buy to build the planter boxes?  
\_\_\_\_\_ boards



**Skill:** Finding the perimeter and area of rectangles, triangles, and complex figures with right angles