Challenge Problems for rising 6\textsuperscript{th} grade:

1. Ivan caught a total of $7 \frac{2}{5}$ pounds of fish one day. Of the fish caught, $4 \frac{5}{8}$ pounds were sea bass and the rest were mackerel. He gave away $1 \frac{7}{8}$ pounds of mackerel. How many pounds of mackerel did he have left? Give your answer as a decimal.

2. Mr. Jacobs buys 20 kilograms of rice at $0.84 per kilogram. He buys 700 grams of shrimp at $1.02 per 100 grams. How much does Mr. Jacobs spend in total?

3. Find the area of the rectangle below.

4. Evelyn has 12.7 quarts of fruit punch in a cooler. She pours the fruit punch into glasses. She fills 5 glasses, each with a capacity of 0.36 quart. Then she fills 8 glasses, each with a capacity of 0.52 quart. How much fruit punch is left in the cooler?