

Word Problems

- A puzzle, when done, measures 51.75×38.51 cm. It is done on a board that is 2.5 ft \times 1.5 ft. One foot is 30.48 cm.
 - Explain how to estimate whether the puzzle fits on the board or not.
 - Find the dimensions of the board in centimeters.
 - If the puzzle is placed in the middle of the board, what size are the margins that are left on the four sides?
- A scientist measured the length of some tadpoles caught from a pond. The recorded lengths are below, in centimeters. Find the average and make a bar graph.
3.2 3.1 3.4 3.1 3.5 2.9 2.7 2.7 3.0 3.0 3.1 3.4 3.2 2.8 2.8
2.9 3.6 3.4 2.9 3.4 3.1
- Amanda bought two gallons of milk for $\$3.17$ per gallon, three pounds of chicken for $\$1.04$ per pound, and three dozen eggs for $\$1.24$ per dozen.
 - Write an expression for the total cost.
 - How much change will Amanda get from $\$50$?
- Find the unit prices for the following items. Round to the nearest cent.

Item and price	Unit price	What would this cost...?	
3 lb chicken for $\$3.24$		5 lb chicken	
4.5 lb ground beef for $\$11$		10 lb beef	
4 lb bananas for $\$1.99$		2.5 lb bananas	
32 oz of orange juice for $\$3.65$		12 oz orange juice	

- A car goes 37 miles with one gallon of gas. Gasoline costs $\$2.98$ per gallon.
 - How far could you drive for $\$20$?
 - What is the cost of gasoline to drive a 550-mile trip?
- The Smith family is planning a vacation trip. They are a family of four: two kids and two adults. Adults' flight tickets are $\$156.40$ each and kids' tickets are $\$108.55$ each. They plan to rent a car for 4 days, at $\$41.59$ per day, and to visit an amusement park with adult tickets costing $\$34.45$ and children's tickets costing $\$25.55$.

What will the total cost of their trip be? Write an expression.

