Example Application Problems from Section 1.3

INTEGER PROBLEMS

1.	Find three consecutive integers whose sum is 171.
2.	Four consecutive odd integers have a sum of 56. What are the integers?
GEOM	METRIC FORMULA PROBLEMS
1.	Farmer Hodges has 50 feet of fencing to make a rectangular hog pen beside a very large barn. He needs to fence only three sides because the barn will form the fourth side. Studies have shown that under those conditions the side parallel to the

barn should be 5 feet longer than twice the width. If Farmer Hodges uses all of the

fencing, what should the dimensions be?

Example Application Problems from Section 1.3

MIXTURE PROBLEMS

1.	How many gallons of milk containing 5% butterfat must be mixed with 90 gallons of 1% milk to obtain 2% milk?
MOTI	ON PROBLEMS
1.	Jennifer drove her car for 3 hours in a dust storm. When the skies cleared, she increased her speed by 30 miles per hour and drove for 4 more hours, completing her 295-mile trip. How fast did she travel during the dust storm?
2.	Tom flew to Detroit in 90 minutes and drove his new car back home in 6 hours. If he drove 150 mph slower than he flew, then how fast did he fly?