

Name: _____ Hour: _____

Word Problems (after section 3)

Raheel is comparing the cost of two parking garages. Garage A charges a flat fee of \$6 plus \$0.50 per hour. Garage B charges a flat fee of \$2 plus \$1 per hour.

1) After how many hours will the cost at garage A be the same as the cost at garage B?

2) What will that cost be?

The Nash family's car needs repairs. Estimates for parts and labor from two garages are shown.

Garage	Parts (\$)	Labor (\$ per hour)
Motor Works	650	70
Jim's Car Care	800	55

3) For how many hours of labor will the total cost of fixing the car be the same at both garages?

4) What will that cost be?

Marc and his brother Ty start saving money at the same time. Marc has \$145 and will add \$10 to his savings every week. Ty has \$20 and will add \$15 to his savings every week.

5) After how many weeks will Marc and Ty have the same amount saved?

6) What is that amount?

The costs for services at two kennels are shown in the table. Joslyn plans to board her dog and have him bathed once during his stay.

Kennel Costs		
	Boarding (\$ per day)	Bathing (\$)
Pet Care	30	15
Fido's	28	27

7) For what number of days will the cost for boarding and bathing her dog at each kennel be the same?

8) What will that cost be?