

Buying a Car Modified Math

1. A car gets 35 miles per gallon. How many gallons do you need to go 700 miles?
 - a. 20
 - b. 35
 - c. 700
 - d. 24,500

Miles _____ / _____ miles per gallon = _____

2. To get to work, you drive for 20 minutes at 30 mph, and walk 10 more minutes at 3 mph. What was your average speed?
 - a. 16.5 mph
 - b. 20 mph
 - c. 21 mph
 - d. 23 mph

Time	Speed	Total time traveling	Speed	Miles per hour
20 min	30 mph	_____ min / <u>30</u> = _____ Driving time mph	X 30 mph	_____ mph
10 min	3 mph	_____ min / <u>30</u> = _____ walking time mph	X 3 mph	_____ mph
Add the two above number together to get average speed _____ mph				

3. Based on your schedule, having a car will cut your transportation costs enough to squeeze in a 4 hour shift each weeknight at the fast food store paying \$9 per hour. You estimate that the car will cost you \$100 per week to own and operate. Your take-home pay will be 70% of your gross pay. Is it worth it to get the car?
 - a. Yes
 - b. No
 - c. Can't tell

Extra hours worked	Hourly rate	Calculate net pay	Gross pay
_____	X _____	= _____ x 5 days/week = _____	X .70 = _____
Cost of car			\$ _____
Is it worth getting the car _____			

