**Kwantlen Polytechnic University** 

## **Mathematics Problem of the Week (246)**

#### This week's winner is:

# **Tom Ouellette**

Contact Lin Hammill (Surrey Fir 348) or Judy Bicep (Richmond, 3335) for your prize or email MathProblem@kpu.ca.

## Also submitting correct solutions to problem 246 were:

## Anthony Roberts, Ming Kit Lam, Matthew Potma, David Luna, and Suzanne Pearce

#### **Problem 246 solution:**

Let D be the distance (in km) to the store.

Then the time it took to get to the store is D/50 hours and the time it took to return is D/60 hours.

Her average speed is gi	ance travell	led		
The average speed is given by		time taken		
Thus :	2D	2	2	$\frac{600}{54.54}$
11105.	$\underline{D} + \underline{D}$	$\frac{1}{1+1}$		11
	50 60	50 60	300	
The average speed is approximately 55.55 kph				

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