Rate of Change

1. Determine each unit rate.

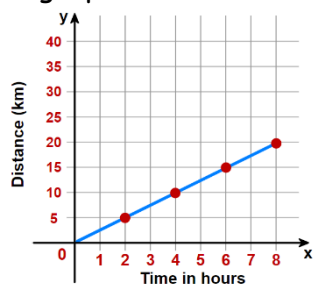   a) 770 km travelled in 7 h   b) $400 earned in 40 h   c) $6.00 for 12 oranges
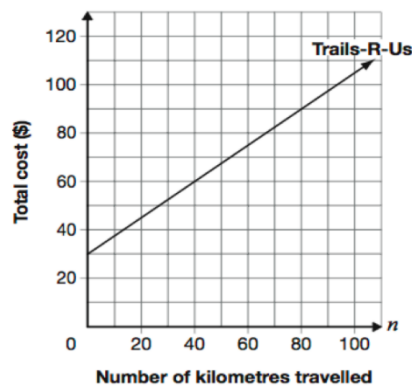
2. The table shows the value in dollars of a rare coin over time. At what rate is the coin gaining value each year?

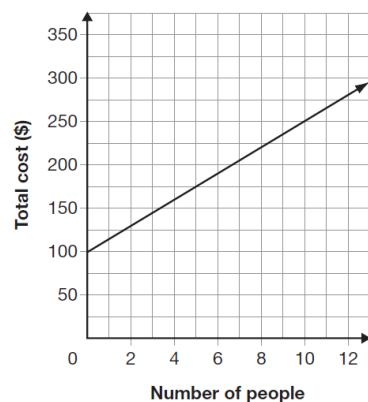| Number of Years	Value ($)
0	0.25
10	750.25
20	1500.25
30	2250.25

3. The graph shows data about a female marathon runner. What is her speed?

4. Corey is looking to rent a snowmobile from Trails-R-Us. It costs $30 for the day plus a certain amount per km. What is the rental rate per km?

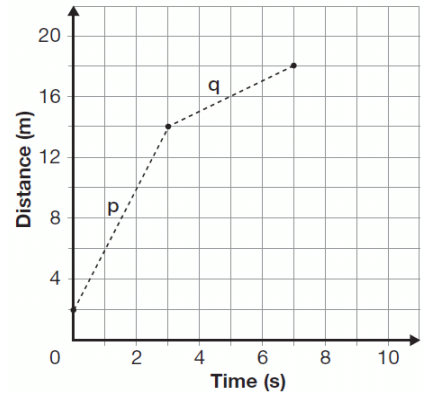
5. The cost to rent the hall for graduation includes a fixed fee of $100 and a cost per person as shown in the graph below. How much does dinner cost per person?

7. The graph below represents the relationship between distance and time on Javier's walk.
   a) What speed, in m/s, is Javier walking in section p?
   b) What speed, in m/s, is Javier walking in section q?

8. The total cost of printing a classified ad in a local newspaper is made up of a set fee, plus a per word cost. A 300-word ad costs $60 and a 90-word ad costs $32.70. How much does it cost per word?