Name:(	)	Class:	_	Date:	_
Time: 10 minutes		Marks:	/6		

## Section Quiz 1.2B

- 1. (a) If x: y = 4: 5 and x: z = 4: 9, find x: y: z.
  - (b) If x: y = 3: 8 and y: z = 4: 1, find x: y: z.
  - (c) If x : z = 2 : 5 and y : z = 3 : 4, find x : y : z.



2. If a: c=5:6 and b: e=4:3, find (2a+c):(3b-a).

- 3. The total age of Ada, Herman and Ivan is 78. It is given that the ratio of Ada's age to Herman's age is 3:4 and the ratio of Ada's age to Ivan's age is 1:2.
  - (a) Find the ratio of Ada' age to Herman's age to Ivan's age.
  - (b) Who is the eldest? How old is he/she?

- 4. A, B and C are three numbers such that A: C = 4: 3 and B: C = 3: 4.
  - (a) Find A:B:C.
  - (b) If the sum of A and B is 100, find B + C.

(Bonus Question)

Book	k 2A Chapter 1	Rates, Ratios and Proportions				
Nan	ne: ( ) Class	s: Date:				
Tim	e: 10 minutes Mark	s:/ 9				
Section Quiz 1.1						
	The price of 3 identical bottles of canola oil is \$1 find the price rate of the canola oil in  (a) \$/bottle,  (b) \$/L.	08. If the volume of each bottle of canola oil is 900 mL,				
	A car travels 135 km in 2.5 hours.					
	(a) Find the average speed of the car in the foll					
	<ul><li>(i) km/h</li><li>(b) If the average speed of the car remains unc</li></ul>	(ii) m/s hanged, can the car travel 40 km in 45 minutes?				
	Explain your answer.					

- 3. In a bank, 150 NZD (New Zealand dollars) can be exchanged for 780 HKD (Hong Kong dollars).
  - (a) Find the exchange rate in HKD/NZD.
  - (b) Find the exchange rate in NZD/HKD correct to 3 decimal places.
  - (c) How much HKD can be exchanged for 125 NZD?
  - (d) How much NZD can be exchanged for 2730 HKD?

- 4. A man jogs from point P to point Q at an average speed of 8 km/h and then jogs from point Q to point R at an average speed of 10 km/h. It is given that the man jogs 15 km in 105 minutes for the whole journey.
  - (a) How long does it take the man to jog from point P to point Q in minutes?
  - (b) The man claims that the distance between point P and pont Q is double of that between point Q and poit R. Do you agree? Explain your answer. (Bonus Question)