Name :   **Class:**

Challenge Yourself (Chapter 4)

1. The volume of bottle J is 840 mℓ and the volume of bottle K is 1ℓ 80 mℓ. State the ratio of volume J to volume K.

   A   14 : 3

   B   7 : 9

   C   7 : 15

   D   12 : 25

2. Mr Sham bought a handphone for his wife and son with the price of RM 1920 and RM 640. Find the ratio of the price of the handphone of his wife to the price of the handphone of his son.

   A   1 : 3

   B   4 : 1

   C   3 : 1

   D   2 : 1

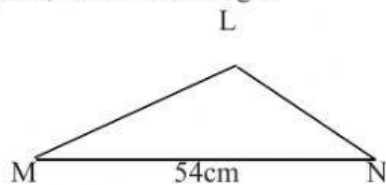3. The table below shows the volume and the prices of orange juice.

A	400 mℓ	RM 6.40
B	950 mℓ	RM 14.25
C	1.8 mℓ	RM 21.60
D	2.5 mℓ	RM 25.50

Anita goes to grocery store to buy her favourite brand of juice. She finds that the orange juice is sold in different volume and prices. Which bottle of orange juice offers the most affordable price?

   A   400 mℓ

   B   950 mℓ

   C   1.8 mℓ

   D   2.5 mℓ

4. It is given that P : Q = 7 : 4 and Q : R = 6 : 5, then P : Q : R =

    A   7 : 4 : 5

    B   7 : 10 : 5

    C   14 : 24 : 10

    D   21 : 12 : 10

5. It is given that p : q = 8 : 5 and p + q = 117, find the value of p.

    A   14

    B   23

    C   45

    D   72

6. Jim, Tom and Sharon answered some questions in the ratio of 6 : 4 : 9 respectively. Sharon answered 72 questions. What is the total number of questions answered by all the three of them?

    A   114

    B   152

    C   171

    D   228

7. Company A, Company B and Company C donated to a charity fund in the ratio 5 : 2: 9. The total donation from Company A and Company C was RM 6720. Calculate the total amount of donations donated by these three companies.

    A   RM 11040

    B   RM 10080

    C   RM 7680

    D   RM 5640

8. In the following diagram, LMN is a triangle.

L

M ——— 54cm ——— N

The length of sides of the triangle are in the ratio of LM : MN : NL = 8 : 9 : 5. Calculate the difference in length, in cm, between the LM and NL.

A   6

B   12

C   18

D   24

9. The selling price of pen in a shop is RM 108 for 8 pens.
   Nami bought a few pens. She paid RM 220 and received a balance of RM 17.50. Calculate the number of pens Nami bought.

A   15

B   20

C   35

D   30

10. The following table shows the parking rate of a car in a shopping complex.

Time	Rate
First one hour	RM 3.50
Every subsequent hour	RM 2.00

Ramli parked his car from 11:00 a.m. to 5: 00 p.m. on a certain day in the complex. Calculate the total amount Ramli has to pay.

A   RM 10.00

B   RM 11.50

C   RM 12.00

D   RM 13.50