



PSLE Revision Paper 3

Mathematics

Total Time : 2 h 30 mins
Paper 1- Booklet A And Booklet B: 50 mins
Paper 2: 1 h 40 mins

INSTRUCTIONS TO CANDIDATES

Do not open this Booklet until you are told to do so.
Follow all instructions carefully.
Answer all questions.

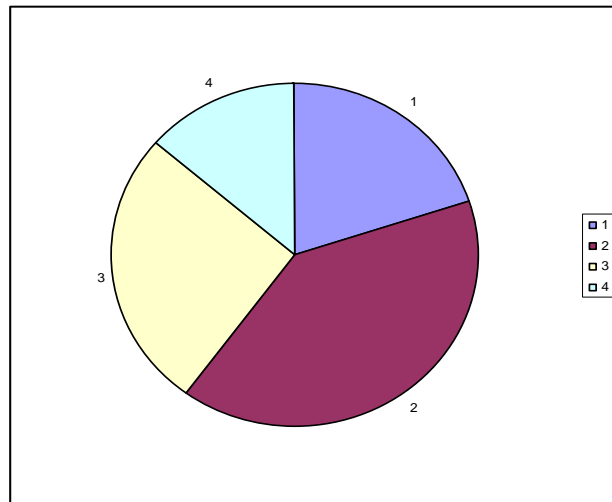
Name: _____

Class: _____

Date: _____

| TOTAL SCORE |
|-------------|
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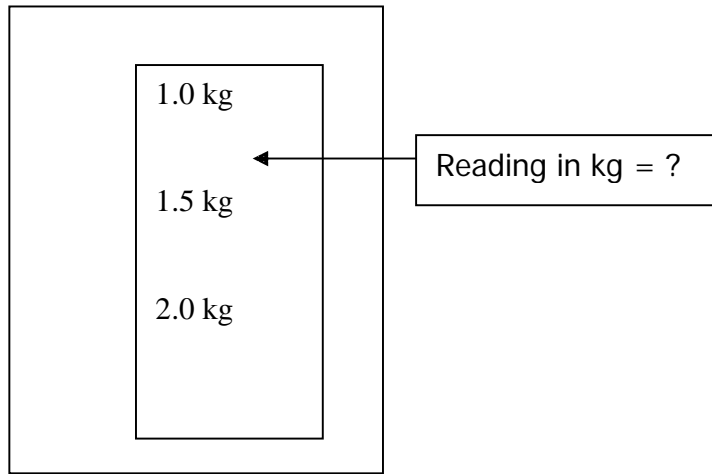
5. Various types of cars in Singapore are labeled 1 to 4 as shown below in the pie chart.



From the pie chart, which of the following statements below is true?

- (1) Type 1 occupies 50% of the total car population.
 - (2) Type 2 occupies 60% of the total car population.
 - (3) Type 3 occupies 25% of the total car population.
 - (4) Type 4 occupies 25% of the total car population.
6. John hopped onto a train at 8.15 am heading down to the city. He alighted from the train and walked to his office. The walk took 15 minutes and he reached his desk at 9.05 am. How long was his train ride?
- (1) 35 min
 - (2) 25 min
 - (3) 15 min
 - (4) 10 min

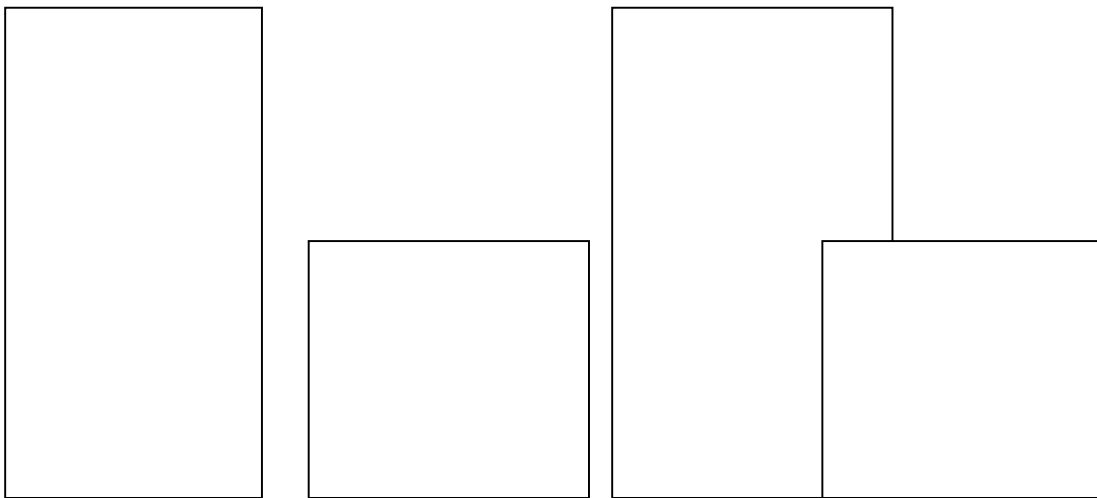
7. Four boys **estimated** the weight of water in the container with the machine below.



What is the estimated weight of the water?

- (1) 1.6 kg
- (2) 1.4 kg
- (3) 1.5 kg
- (4) 1.7 kg

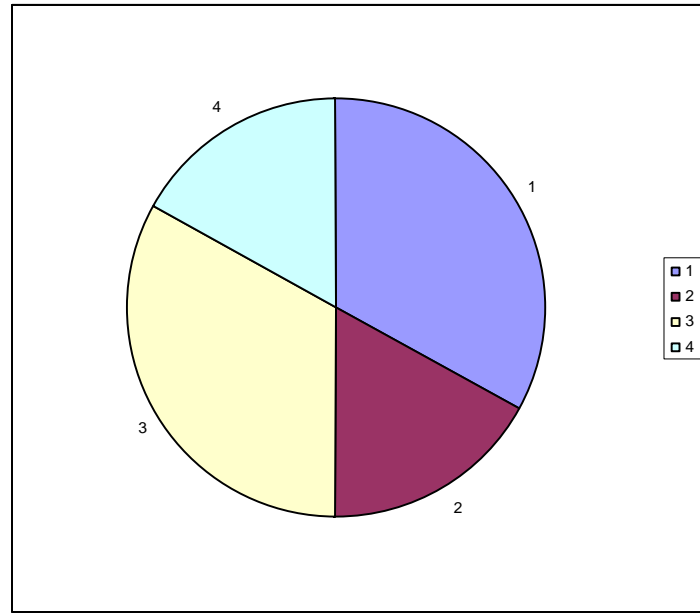
8. What is the average height of the 4 objects if the tallest object is 1m?



- (1) 1 m
- (2) 0.75 m
- (3) 0.25 m
- (4) 3.0 m

9. In the figure below, what is the fraction of the sum of Area 4 and Area 1 to the sum of Area 1 and Area 2?

$$\frac{\text{Sum of Area 4 and Area 1}}{\text{Sum of Area 2 and Area 1}} = ?$$



- (1) 0.75 (2) 0.33
 (3) 0.50 (4) 1.00
10. A runner can run 100m in 9 seconds, how far can he run in 1 minute and 3 seconds?
- (1) 700m (2) 103m
 (3) 900m (4) 603m
11. Tom wants to spend 50% of his money on a bag and he was given a 50% discount on the bag. He then spent the remainder on a watch. What percentage of his original sum of money was spent on the watch?
- (1) 25% (2) 50%
 (3) 75% (4) 100%

12. The table shows the starting heights of a young plant in metres in each of the months shown below.

| | |
|----------|------|
| January | 0.30 |
| February | 1.50 |
| March | 2.00 |
| April | 3.00 |
| May | 6.00 |

Which month did the height of the young plant have the **least** percentage growth when compared to the previous month?

- (1) February (2) March
(3) April (4) May
13. $X + 3 = 15 - 3$
What is X?
- (1) 9 (2) 10
(3) 11 (4) 8
14. If one man takes 12 hours to dig a man hole, how many hours will it take for 3 men to dig the same hole?
- (1) 4h (2) 6h
(3) 3h (4) 2h
15. Supposing that the temperature during winter starts off at 15°C on the first day and it drops at a rate of 1.5°C a day during winter, how many days will it take for the temperature to reach 1.5°C ?
- (1) 10 (2) 7
(3) 5 (4) 9

Booklet B

Questions 16 to 25 carry 1 mark each. Show your working clearly and write your answers in the space provided. For questions which require units, give your answers in the units stated. Calculators cannot be used in this section.

(10 marks)

16. Find the value of $13 \times 3 \times 2$

Ans: _____

17. Find the value of $1.25 + 2.08 + 1.13$

Ans: _____

18. Lisa paid for a ruler which costs \$1.75 and a note book which costs \$2.25 with a \$10 note.
How much change should she get?

Ans: _____

19. Find the value of $7 - \frac{3}{5}$. Express your answer in decimals.

Ans: _____

20. Find 0.036 as a fraction in its lowest terms.

Ans: _____

21. Look at the figure below. What is the mass of the papaya in kilograms and grams?



The scale is given in kilograms.

Ans: _____ kg _____ g

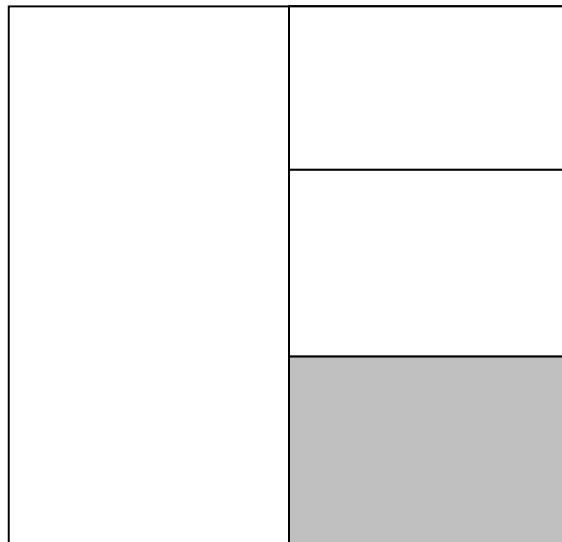
22. How much must Thomas pay for the 5 jars of jam shown below?



2 Jams cost \$2.50

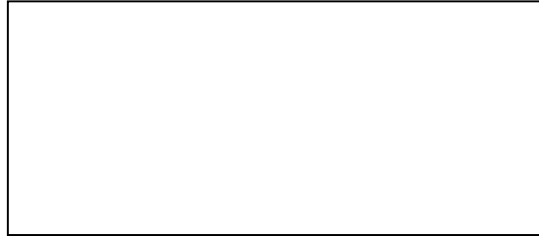
Ans: _____

23. One half of the square is divided into 3 parts. What fraction of the square is shaded?



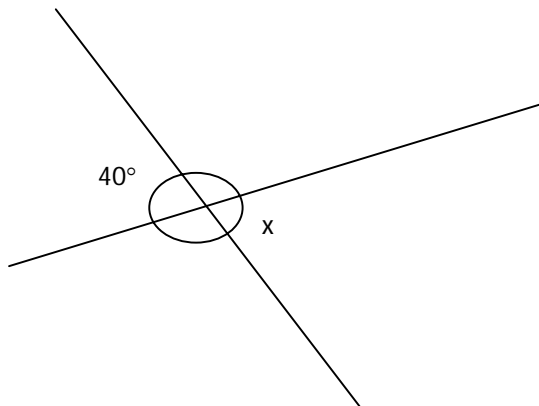
Ans: _____

24. The figure below shows a rectangle with a length of 5 cm and a breadth which is 3 cm shorter than its length. What is the perimeter of the rectangle?



Ans: _____ cm

25. The figure below is not drawn to scale. Find $\angle x$.



Ans: _____ °

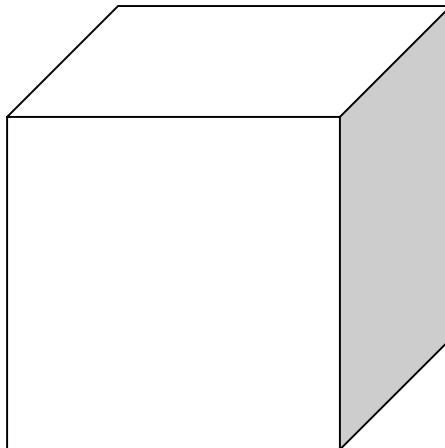
Questions 26 to 30 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

-
26. Grapes are sold at \$0.55 per 100g at the supermarket.
What is the price of 1.1kg of grapes?

Ans: \$ _____

-
27. A cubic water tank has a base area of 4 m^2 and a height of 2 m. What is the volume of water (in cm^3) in the tank when it is $\frac{1}{4}$ full?



Ans: _____ cm^3

28. A box contains yellow and white cars. There are 50 yellow cars and 20 less white cars than yellow cars. What is the total number of cars?

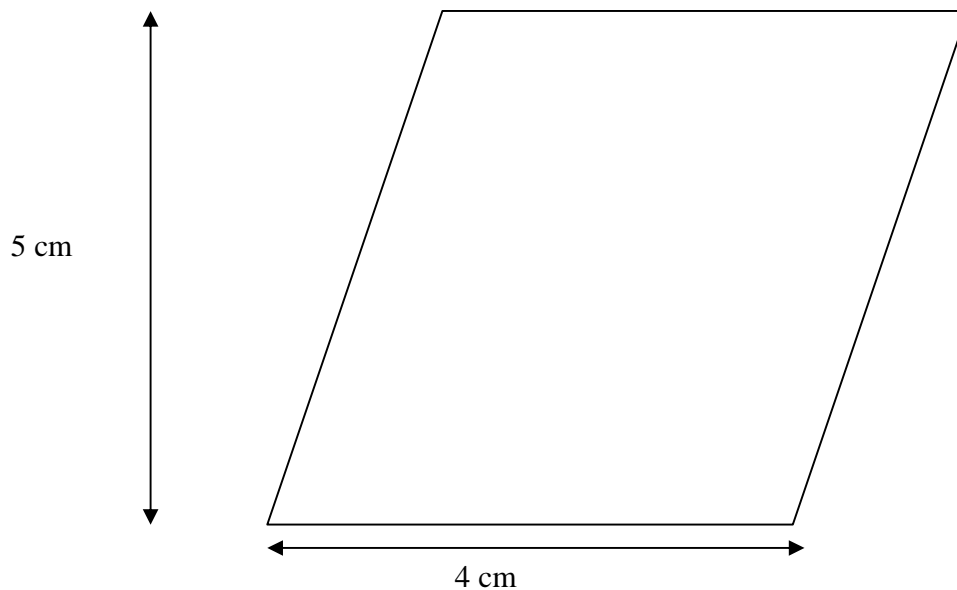
Ans: _____

29. Henry went to bookshop to buy pencils for a class of 25. What is the smallest amount that Henry could spend on the pencils?

One packet of 3 pencils cost \$1
One packet of 10 pencils cost \$3
One pencil cost \$0.50

Ans: \$ _____

30. Find the area of the figure shown below.



Ans: _____ cm²

PAPER 2 (1 h 40 mins)

Questions 1 to 5 carries 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

For questions which requires units, give your answers in the units stated.

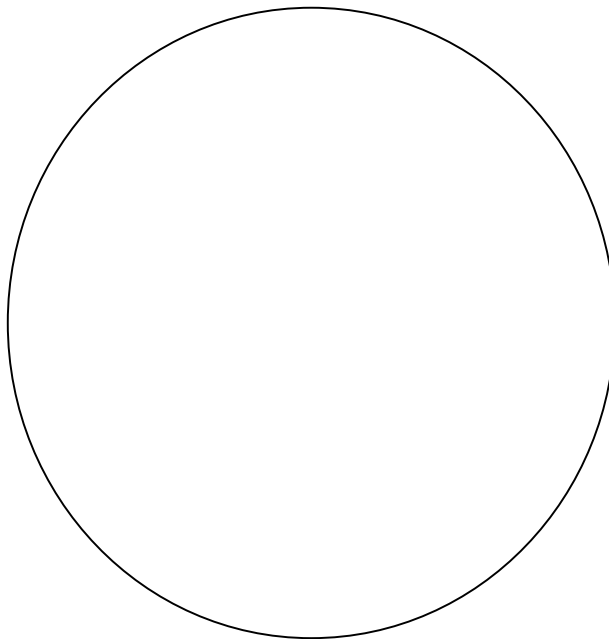
Calculators can be used in this section.

(60 marks)

1. There are apples, oranges and bananas in a basket. The ratio of apples to bananas is 1:4. The ratio of oranges to apples is 2:5. What is the ratio of oranges to bananas?

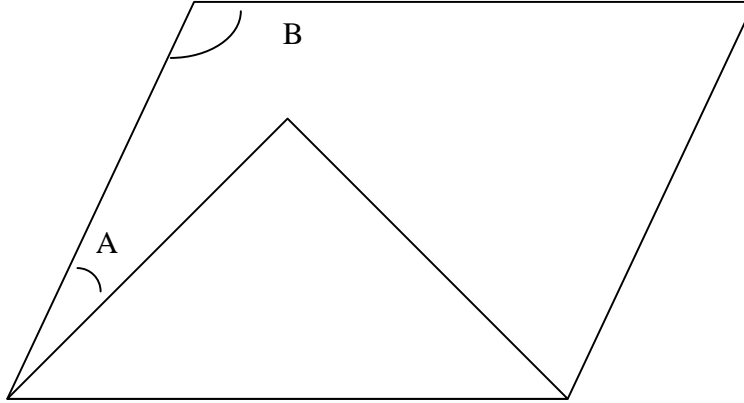
Ans: _____

2. What is the area of $\frac{1}{4}$ of the circle if the radius is 3.5cm? (Take $\pi = \frac{22}{7}$)



Ans: _____ cm²

3. In the figure below, we have a rhombus and an equilateral triangle sitting inside the rhombus. What is $\angle A$ if $\angle B$ is 100° ?



Ans: _____^o

4. From January to August, Tom sold an average of 2.5 houses a month. From the month of September till December, he sold another 16 houses altogether. What is average number of houses Tom sells for the entire year?

Ans: _____

5. The table below shows the Interest on a deposit for the two years 2004 and 2005.

| | | |
|------|-------------------|--------------|
| 2004 | Interest per year | 2% per \$100 |
| 2005 | Interest per year | 3% per \$100 |

If you place a deposit of \$100 for one full year in 2004 and another \$100 for half a year in 2005, what is the total interest you will get?

Ans: \$ _____

**For question 6 to 18, show your working clearly in the space provided for each question and write your answers in the space provided.
The number of marks available is shown in the brackets [] at the end of each question or part question**

6. (a) In the space below, draw a triangle ABC in which $AB = 7$ cm, $AC = 3$ cm and $\angle CAB$ is a right angle. Point A has been drawn for you.

A .

[2]

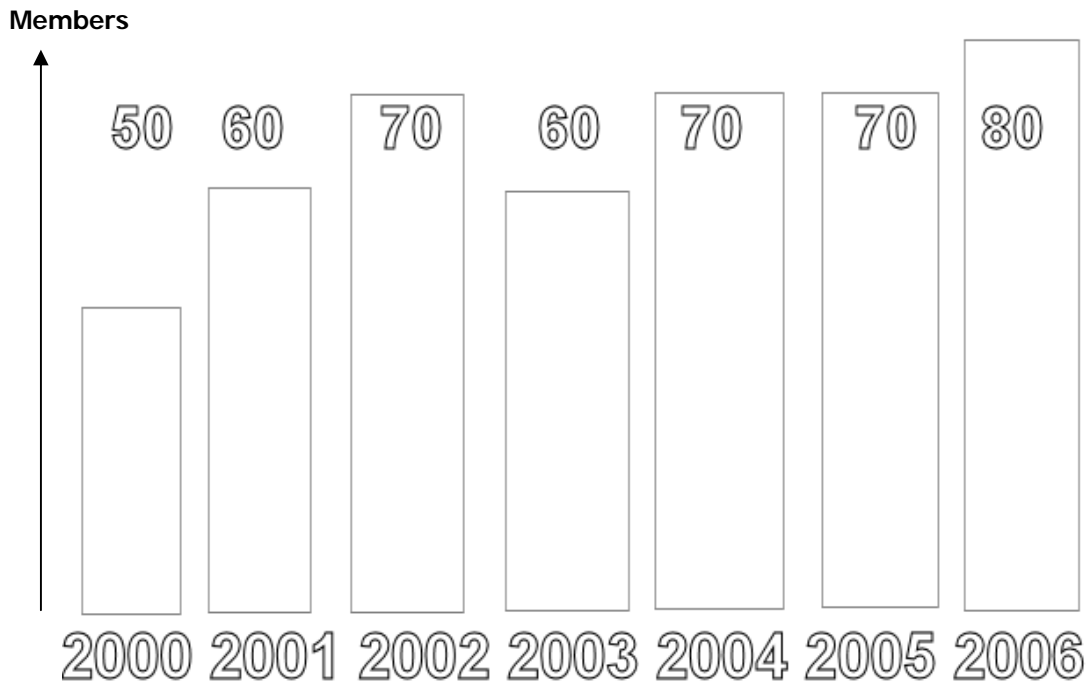
- (b) Measure $\angle CBA$.

Ans: _____ [1]

- Annie spent equal amounts of money on 5 notebooks and 6 pencils. 6 pencils cost \$3 in total. How much did Annie spend altogether?

Ans: _____ [3]

8. The line graph shows the number of members a golf club has from 2000 to 2006.



- (a) What is the average membership in the last 4 years?
(b) What was the percentage increase from 2000 to 2001?

Ans: (a) _____ [1]

(b) _____ [2]

9. John and Chloe shared 60 marbles. John has 3 times more marbles than Chloe. In a particular game, Chloe lost some marbles to John and is left with $\frac{1}{11}$ of the number of marbles that John has. How many marbles did Chloe lose in the game?

Ans: _____ [3]

10 (a) Terry is T years old and Mary is M years old. If the total age of Terry and Mary is 3 times that of John, what is John's age expressed in terms of T and M ?

10 (b) The ratio of Paul's to Dina's money is 1: 3. If Paul has $\$m$ and Dina has $\$C$, what will be the total sum of money that both have after they give away $\$5$ each?

10 (c) Express the total sum of money that Paul and Dina have in terms of m .

Ans: (a) _____ [1]

(b) _____ [1]

(c) _____ [1]

11 (a) Susan can run 100 m in 10 s. The distance is now increased by 60% but she is tired and runs 20% slower.
What is the new distance?

11 (b) What is her speed when she is tired? Express your answer in metres per second.

11 (c) How long will it take for her to cover the new distance in seconds?

Ans: (a)_____ [1]

(b)_____ [1]

(c)_____ [2]

- 12 (a) Mr Kim has $5n$ cars. Each car has 4 doors. Out of this number, 50% is scratched and the cars have to be repainted.
How many car doors have to be painted?
(Express your answer in terms of n .)
- 12 (b) If each car can carry up to 4 adults and 2 children, how many passengers can all $5n$ cars carry? (Express your answer in terms of n .)
- 12 (c) Each car can only travel 100 km and the petrol has to be topped up again to a full L liters. Each liter cost \$2. After traveling for 200 km, how much does Mr Kim have to pay for refilling all his cars? (Express your answer in terms of n and L .)

Ans: (a) _____ [1]

(b) _____ [1]

(c) _____ [2]

13. The following shows the income graph of households in Singapore by area stayed.
Read from the graph and answer the questions below.

\$X = 2,000 income per household per month.

Ang Mo Kio : XXXXXX
Yishun : XXXXX
River Valley : XXXXXXXXXXXX
Chua Chu Kang : XXX

- (a) Which area has the highest income per household per month?
(b) Which area has the lowest income per household?
(c) What is the percentage difference in income between the highest and lowest income?
(d) What is the average household income in all the areas?

Ans: (a)_____ [1]

(b)_____ [1]

(c)_____ [1]

(d)_____ [1]

- 14 (a) Amos had $\frac{1}{5}$ of the number of marbles Jack had at first. When Sarah received 36 marbles from Jack, the number of marbles Amos had became $\frac{1}{2}$ the number of marbles Jack had. What is the number of marbles Jack had at first?

- 14 (b) Sarah lost one third of the 36 marbles. She gave away half of the remainder of marbles she had and from the other half, one third was said to be damaged. How many marbles was said to be damaged?

Ans: (a)_____ [3]

(b)_____ [1]

15. If car A is traveling at 60 km/h and car B is traveling at 80 km/h in the opposite direction and distance between both their starting points is 140 km,
- (a) find the time taken before they met.
 - (b) find the distance traveled by car A and B from their starting point to the point they met.

Ans: (a) _____ [3]

(b)A: _____ [1]

B: _____ [1]

16 (a) A rectangular object with a dimension of height 5 cm and base area 20 cm^2 is being placed into a container filled with 500ml of water. The object was only 30% submerged in water. Find the volume of the object.

16 (b) Find the volume of the object that is below the water.

16 (c) What is the height of the water level after the object is added if the base area of the water container is 20 cm^2 ?

Ans: (a)_____ [1]

(b)_____ [1]

(c)_____ [3]

17. Jane had a total of 100 red and blue stones in a ratio of $3R:4B$. Later, she gave away 20 blue stones and the ratio of red stones to blue stones became $3:1$.

- (a) What was the final number of red and blue stones she had?
- (b) How many red and blue stones did Jane have at first?
- (c) What are the numbers R and B ?

Ans: (a) Red: _____ [1]

Blue: _____ [1]

(b) _____ [1]

(c) R : _____ [1]

B : _____ [1]

18. The exchange rate for one Singapore dollar to one Euro dollar is 2:1. The interest a year for depositing Singapore currency is 2% while the interest for depositing Euro dollar is 5%.
- (a) If you have \$10,000 worth of Singapore currency and would like to change it to Euro currency before you go for a tour in Europe, how much will you get from the transaction?
 - (b) If you place your Singapore currency into one year deposit, what is the interest you will get?
 - (c) Instead of depositing Singapore currency, you change it to Euro currency and place the currency into an European bank for one year deposit. What is the amount you will get at the end of the one year deposit? (Express your answer in Euro dollars.)
 - (d) At the end of one year, your Euro deposit is due and you would like to convert it back to Singapore dollars including the interest earned. However, the exchange rate has dropped. The Euro dollar is now stronger than the previous year by 10%. What is the amount you will get back in Singapore dollars?

Ans: (a) _____ [1]

(b) _____ [1]

(c) _____ [1]

(d) _____ [2]