CA2

P5 Mathematics CA2, 2005
Methodist Girls' School (Primary)

Name: _____ ( )

Mark: 50

Class: P5._____

Date: 24 August, 2005

Section A (18 marks)

Questions 1 to 9 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write its number in the brackets provided.

1. When 9 028 is divided by 4 000, the answer is _____.

(1) 2.257
(2) 22.57
(3) 225.7
(4) 2257

( )

2. 16 ÷ 25 = _____ thousandths

(1) 0.64
(2) 6.4
(3) 64
(4) 640

( )

3. The total capacity of two containers is 2.8 *l*. Which of the following are possible capacities of the two containers?

(1) 1.00 *l* and 1.08 *l*
(2) 1.02 *l* and 1.06 *l*
(3) 1.03 *l* and 1.77 *l*
(4) 1.11 *l* and 1.77 *l*

( )

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40

4. The average height of five girls is 1.48 m. If one girl is 1 m 54 cm tall, what is the average height of the other 4 girls?

(1) 1.455 m
(2) 1.465 m
(3) 1.475 m
(4) 1.505 m

( )

5. The table shows the rate of charges for parking at a certain shopping mall.

First 1 hour	$4.00
Every additional ½ h or part thereof	$1.50

If Jack parked his car from 11a.m. to 2.45p.m., how much did he have to pay?

(1) $ 5.50
(2) $ 9.50
(3) $ 12.00
(4) $ 13.00

( )

6. One-quarter is the same as _____.

(1) 0.25 %
(2) 2.5 %
(3) 25 %
(4) 250%

( )

7. All books in a bookshop are sold at a discount of 15%.
What is the selling price if the usual price of a book is $40?

(1) $ 6
(2) $ 25
(3) $ 30
(4) $ 34

( )

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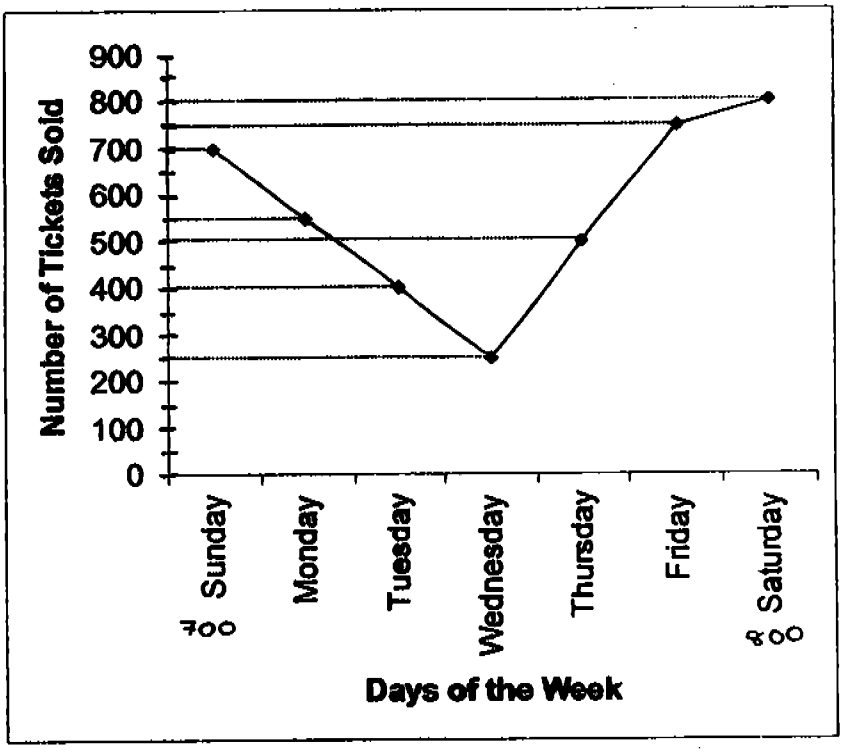
8. If $\frac{11}{20}$ of a box of chocolates is dark chocolates and $\frac{1}{10}$ is white chocolates, what percentage of the chocolates are neither dark nor white chocolates?

(1) 7 %
(2) 13 %
(3) 35 %
(4) 65 % ( )

9. The line graph below shows the number of tickets sold for a movie in a week.



If each ticket cost $9, what would be the total amount collected for this particular movie on Saturday and Sunday?

(1) $ 5 850
(2) $ 9 450
(3) $13 500
(4) $13 950 ( )

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Section B

Questions 10 to 16 carry 1 mark each. Write your answers in the spaces provided. Give your answers in the units stated. (7 marks)

10. Express $5\frac{3}{7}$ as a decimal correct to 2 decimal places.

_____

11. Find the sum of 4.45 km and 6 km 20 m.

_____ km

12. Jamil caught 4 crabs with a total mass of 8.4 kg. The average mass of 3 of them was 1.98 kg. What was the mass of the fourth crab?

_____ kg

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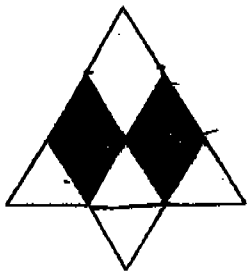
13. Machine A makes 15 buns per minute while Machine B makes 10 buns per minute. How long will it take both machines working simultaneously to make 350 buns?

_____ minutes

14. At a supermarket, salmon fillets are sold at $2.09 for every 100 g. What is the cost of 1.5 kg of salmon fillet?

$ _____

15. What percentage of the figure is shaded?



_____ %

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16. Betty has $\frac{4}{5}$ *l* of milk. She uses 80 ml to make an omelette. What percentage of the milk has she left?

_____ %

Section C

For questions 17 to 23, show your working clearly in the space below each question and write your answers in the spaces provided.
The number of marks available is shown in the brackets [ ] at the end of each question or part-question. (25 marks)

17. The capacity of a can was 330 ml. When Mary poured 3 similar cans of water into a rectangular tank, she filled $\frac{1}{4}$ of it. What was the capacity of the rectangular tank? Express our answer in litres.

Answer: _____ [3]

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18. 40% of the cubes in a box were red. 50% of the remaining cubes were blue and the rest were green. If there were 180 cubes in the box, how many green cubes were there?

Answer: _____ [3]

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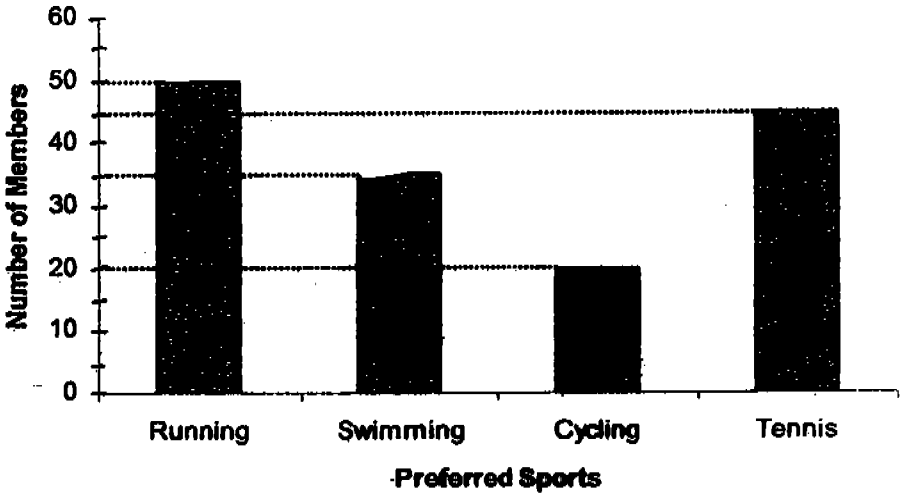
19. A survey was done in a sports club to find out the members' preferred sports. The bar graph shows the results of the survey.



a) What percentage of members preferred tennis?

b) If 15 members changed their minds and decided that they prefer cycling to running, what would then be the most preferred sports in the club?

Answer: a) _____ [2]

b) _____ [1]

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47

20. Katie bought 4 T-shirts, 3 pairs of shorts and 1 dress for $90. The total cost of 1 pair of shorts and 1 dress was $22.50. The total cost of 1 T-shirt and 1 pair of shorts was $18. Find the cost of 1 T-shirt.

Answer: _____ [4]

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21. The table below shows the rate of charges for water consumption in a household.

First 20 m^3	\$0.35 per m^3
Next 20 m^3	\$0.70 per m^3
Above 40 m^3	\$1.20 per m^3

What is the charge if 49 m^3 of water is used in the month?

Answer: _____ [4]

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22. Joe and Susan had an average of $120. After Joe received $27 from his mother and Susan spent $62, Joe had 4 times as much money as Susan. How much money did Susan have at first?

Answer: _____ [4]

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23. Tommy had a total collection of 80 toy cars. 55% of them were sports cars. After he gave some of the sports cars away, the number of sports cars left made up 40% of the remaining toy car collection. How many sports cars were given away?

Answer: _____ [4]

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51

CA2

Methodist Girls Primary School

Primary 5 Maths CA2 Exam (2005)

[redacted]

Answer Sheets

Q1	Q2	Q3	Q4	Q5
1	**4**	**3**	**2**	**4**
Q6	Q7	Q8	Q9	Q10
3	**4**	**3**		**5.43**
Q11	Q12	Q13	Q14	Q15
10.47	**2.46**	**14**	**31.35**	**40**
Q16	Q17	Q18	Q19	Q20
90	**3.96ℓ**	**54 green cubes**	**a) 30% b) Tennis**	**$15.75**
Q21	Q22	Q23		
$31.80	**$103**	**20 sports cars**		