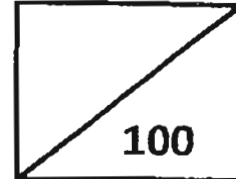




Rosyth School  
Second Semestral Assessment 2011  
Mathematics  
Primary 3

Name: \_\_\_\_\_



Class: Pr 3-\_\_\_\_\_ Register No.: \_\_\_\_\_

Duration: 1h 45 min

Date: 31<sup>st</sup> Oct 2011

Parent's Signature: \_\_\_\_\_

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 3 parts, Sections A, B and C.
4. For questions 1 to 20 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).
5. ANSWER ALL THE QUESTIONS.

	Maximum	Marks Obtained
Section A	40	
Section B	40	
Section C	20	
Total	100	

\* This paper consists of 20 pages altogether.

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**Section A (40 marks)**

For questions 1 to 20, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals (1, 2, 3 or 4) onto the Optical Answer Sheet provided. Each question carries 2 marks.

---

1. In 3025, the value of the digit 2 is \_\_\_\_\_.

- (1) 20
- (2) 2
- (3) 200
- (4) 2000

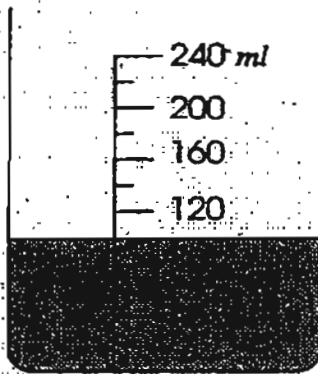
2.  $9000 + 800 + 4 =$  \_\_\_\_\_.

- (1) 984
- (2) 9084
- (3) 9804
- (4) 9840

3. What is an equivalent fraction of  $\frac{1}{4}$ ?

- (1)  $\frac{8}{32}$
- (2)  $\frac{4}{12}$
- (3)  $\frac{2}{4}$
- (4)  $\frac{3}{4}$

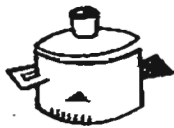
4. Study the diagram carefully.



If I need 240 ml of water, how much more water must I pour into the container?

- (1) 90 ml
- (2) 100 ml
- (3) 140 ml
- (4) 150 ml

5. What is the total capacity of the two containers shown below?



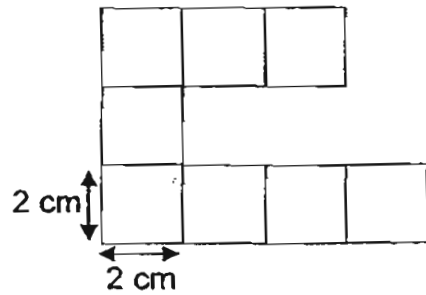
2 l 800 ml



6 l 400 ml

- (1) 4 l 400 ml
- (2) 8 l 200 ml
- (3) 8 l 400 ml
- (4) 9 l 200 ml

6. The figure below is made up of 8 similar squares.



What is the total area of the figure?

- (1)  $8 \text{ cm}^2$
  - (2)  $16 \text{ cm}^2$
  - (3)  $32 \text{ cm}^2$
  - (4)  $64 \text{ cm}^2$
7. Subtract 32 tens from 54 hundreds. The answer is \_\_\_\_\_.
- (1) 22
  - (2) 508
  - (3) 5080
  - (4) 5180
8. \_\_\_\_\_  $\times 6 = 6 + 12 + 18 + 24$
- (1) 10
  - (2) 24
  - (3) 30
  - (4) 4

9. What is the remainder when  $625 \div 4$ ?

(1) 1

(2) 2

(3) 3

(4) 4

10. The sum of 2 numbers is 3200. One of the numbers is 1500.

What is the other number?

(1) 1 700

(2) 2 300

(3) 2 700

(4) 4 700

11. 7 oranges cost \$3.00. How much does Andy have to pay if he wants to buy 21 oranges?

(1) \$8.00

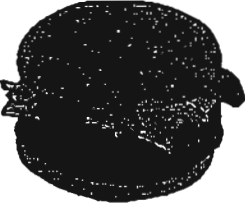



(2) \$9.00

(3) \$21.00

(4) \$63.00

Study the table below and answer questions 12 and 13.

DELICIOUS BURGER RESTAURANT

			
A Cheeseburger	A packet of french fries	A cup of soft drink	A set meal
\$1.95	\$2.80	\$2.40	\$6.15

12. Cheryl bought 1 set meal and 3 cheeseburgers.

How much must she pay the cashier?

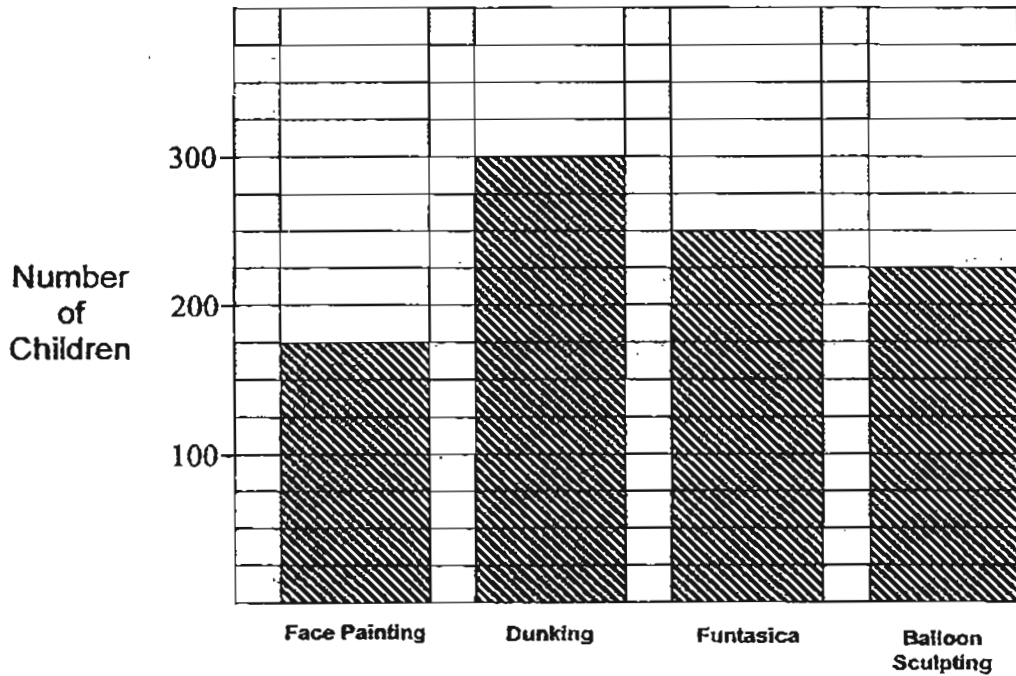
- (1) \$8.10
- (2) \$10.05
- (3) \$11.00
- (4) \$12.00

13. Devi bought 2 set meals, 1 packet of french fries and 1 cup of soft drink.

How much change should she get if she gave the cashier \$50?

- (1) \$17.50
- (2) \$32.50
- (3) \$38.65
- (4) \$42.50

The bar graph below shows the number of children playing at four different game stalls at the Children's Day Carnival. Study the bar graph below and answer Questions 14 and 15.



14. Which of the game stalls had 250 children played at it?

- (1) Face Painting
- (2) Dunking
- (3) Funtasica
- (4) Balloon Sculpting

15. How many children played at the 4 game stalls altogether?

- (1) 860
- (2) 930
- (3) 950
- (4) 980

16. The capacity of a small pail is 612 mL. 3 full bottles of water are needed to fill the pail. What is the volume of water in each bottle?

- (1) 104 mL
- (2) 204 mL
- (3) 240 mL
- (4) 1 863 mL

17. Beng Choon had a piece of paper. He used  $\frac{2}{3}$  of it to make a paper plane and  $\frac{1}{6}$  of it to make a paper boat. What fraction of the paper did he have left?

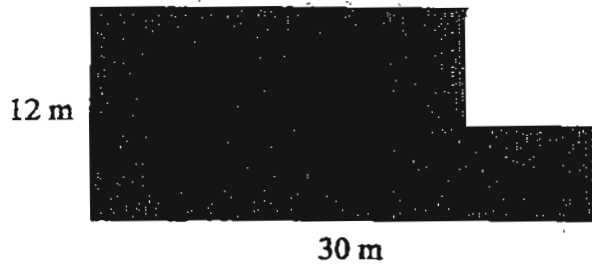
- (1)  $\frac{5}{6}$
- (2)  $\frac{1}{2}$
- (3)  $\frac{5}{12}$
- (4)  $\frac{1}{6}$

18. Aden bought a pizza. He ate  $\frac{2}{5}$  of the pizza and his sister ate  $\frac{3}{10}$  of the pizza. His father ate the remaining pizza. What fraction of the pizza did his father eat?

- (1)  $\frac{3}{10}$
- (2)  $\frac{1}{3}$
- (3)  $\frac{1}{2}$
- (4)  $\frac{7}{10}$



19. The diagram below shows a field.

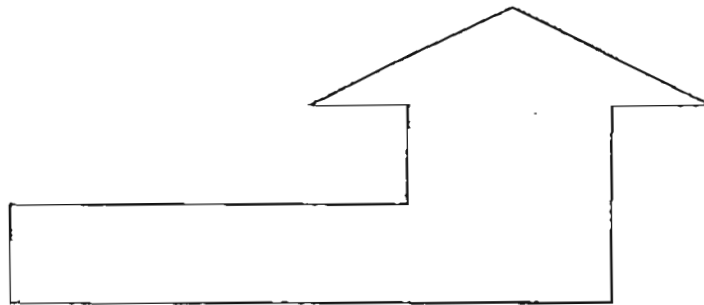


Effendi ran 5 rounds around the field.

What was the total distance that Effendi ran?

- (1) 84 m
- (2) 210 m
- (3) 360 m
- (4) 420 m

20.



How many angles in the figure above are smaller than a right angle?

- (1) 9
- (2) 2
- (3) 3
- (4) 4

**Section B (40 marks)**

For questions 21 to 40, show your working clearly in the space below each question and write your answer in the answer boxes provided. Give your answers in the units stated. Each question carries 2 marks.

---

21. Write seven thousand and seventy-nine in numerals.

22. 2 250, 2 350, , 2 550

What is the missing number in the box?

23. \_\_\_\_\_ is 500 less than 3 999.

24. Form the greatest **3-digit odd** number using 3 of the given digits.

25.  $\frac{7}{9} = \frac{\square}{72}$

What is the missing number in the box?

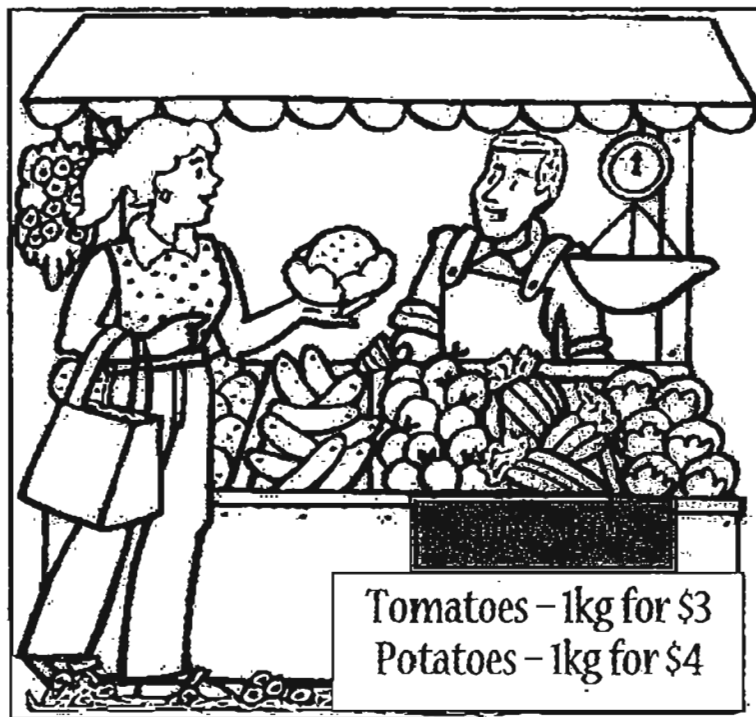
26. Find the value of  $\frac{11}{12} - \frac{1}{3}$ .

27. A bamboo pole is 3 times as long as an umbrella. The bamboo pole is 210 cm long. What is the length of the umbrella?

 cm

28. A tank contained 8 l 500 ml of water. Devi poured away 3 l 800 ml of water from the tank. How much water was left in the tank?

l	ml
---	----



29. Haifing bought 4kg of tomatoes and 5kg of potatoes. After paying the cashier, she received \$8 of change back from the cashier. How much money did she give the cashier?

\$
----

30.

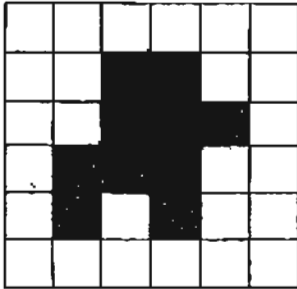


Figure A

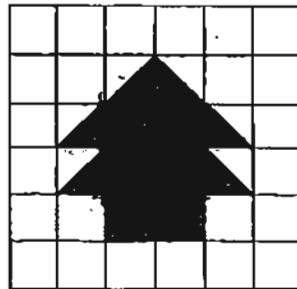


Figure B

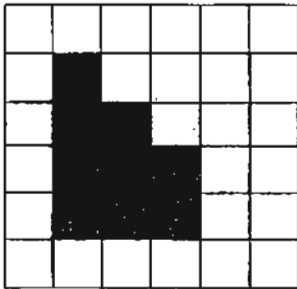


Figure C

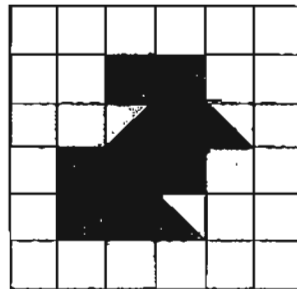


Figure D

Which of the figure above has the greatest area?

31. Arrange the numbers below in order beginning with the smallest.

5 143, 5 413, 5 134, 5 341

Smallest

32. Arrange the fractions below in order beginning with the greatest.

$\frac{1}{2}$

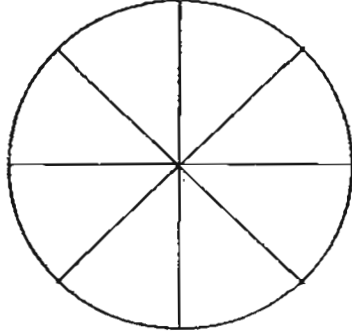
$\frac{5}{9}$

$\frac{1}{4}$

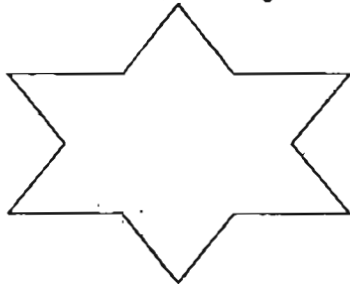
$\frac{3}{8}$

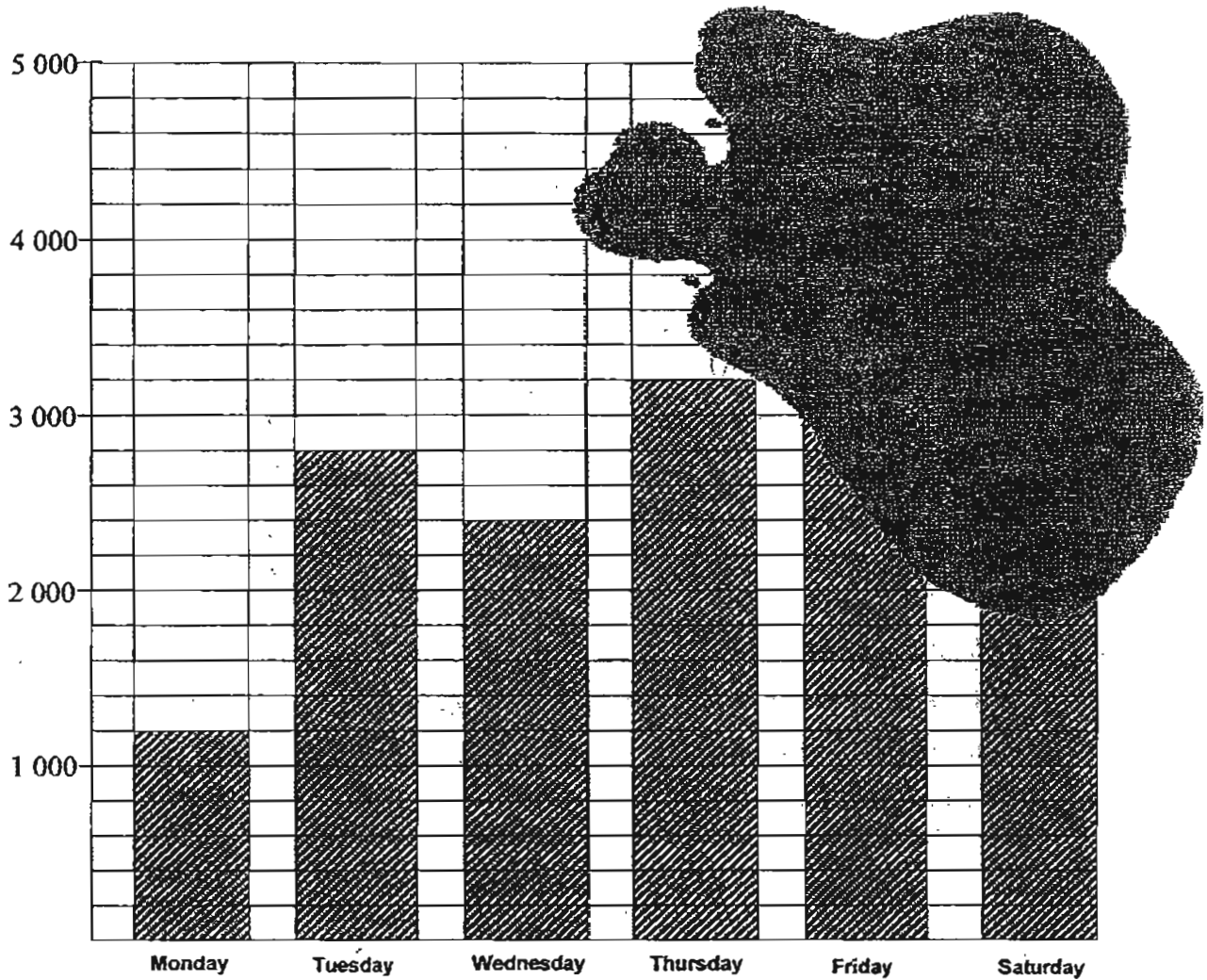
Greatest

33. Fanny bought a pie and cut it into equal slices.  
 She ate  $\frac{3}{8}$  of the pie and her mother ate  $\frac{1}{4}$  of the same pie.  
 Shade the fraction of the pie that she had left below.



34. Study the figure below carefully.  
 How many angles are there inside the figure that are  
 greater than ~~90°?~~  
*a right angle*





Gerald did a survey to find out the number of people who visited the zoo from Monday to Friday. However, he spilled some paint onto the paper and some parts of the graph could not be seen. Study the graph above carefully and answer questions 35 to 37.

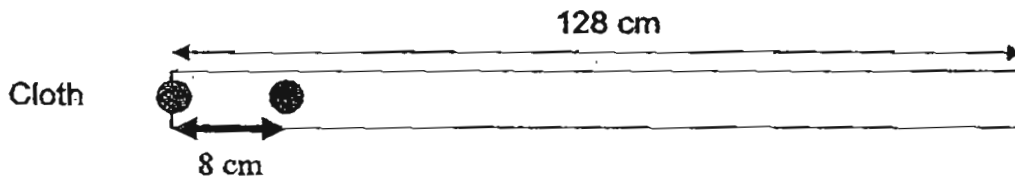
35. How many more visitors visited the zoo on Tuesday than on Wednesday?

36. There were 1000 fewer visitors on Thursday than on Saturday. How many visitors visited the zoo on ~~Thursday?~~ Saturday?

37. There were 3 times as many visitors on Friday as on Monday. How many visitors were there on Friday?

38. There were some passengers on the bus at first.  
45 passengers alighted from the bus at Bus Stop A.  
At Bus Stop B, 23 passengers boarded the bus.  
If there are 100 passengers on the bus now, how many  
passengers were there on the bus at first?

39. Alvin had a piece of cloth measuring 128 cm. He wanted to sew a row of buttons on the cloth. He started with a button on one end of the cloth and every 8 cm, he sewed another button. How many buttons did he sew onto the whole length of the cloth?



40. Aisha, Beatrice and Chandra had 30 twenty-cent coins altogether. Aisha had 9 twenty-cent coins. Beatrice had twice as many coins as Chandra. How much money did Chandra have?



**Section C (20 marks)**

For questions 41 to 45, show your working clearly in the space below each question and write your answers in the blanks provided. The marks for each question or part question are given in the brackets.

---

41. Tom had 38 Pokemon cards more than Ali. Tom bought another 25 cards and Ali bought another 40 cards. In the end, how many more cards did Tom have than Ali?

Answer : \_\_\_\_\_ (4 m)

42. Alice, Beng Soon and Chandra had 625 stamps altogether.  
Alice had 15 stamps more than Beng Soon. Chandra had 82 more stamps than Alice. How many stamps did Beng Soon have?

Answer: \_\_\_\_\_ (4 m)

43. Arita had some money at first. Her father gave her \$15.90 more. Later, Arita gave her sister \$8.65 and her brother \$19.70. She was left with \$48.50. How much money did she have at first?

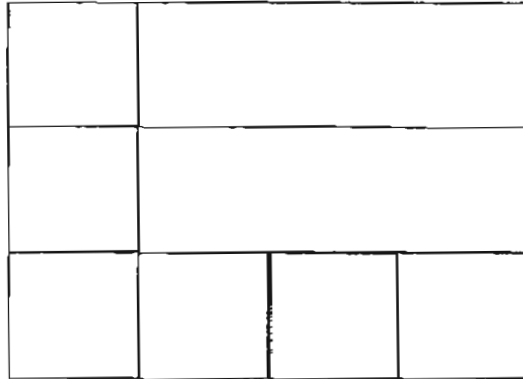
Answer: \_\_\_\_\_ (4 m)

44. At a dinner party, Comal and Derek were each given a similar bottle of juice. Comal drank  $\frac{2}{5}$  of his bottle of juice before dinner. After dinner, Derek drank  $\frac{1}{2}$  of his bottle of juice and Comal drank another  $\frac{3}{10}$  of his bottle of juice.
- a) What fraction of his bottle of juice did Comal drink altogether?
- b) What fraction of the bottle of juice did Comal drink more than Derek? Express your answer in the simplest form.

Answer: a) \_\_\_\_\_(2m)

b) \_\_\_\_\_(2m)

45.



The figure above is made up of 6 similar squares and 2 similar rectangles.

The perimeter of each square is 8cm.

- a) What is the perimeter of the figure?
- b) What is the area of the figure?

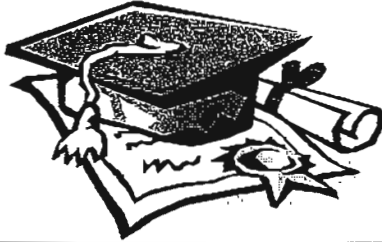
Answer: a ) \_\_\_\_\_ (2m)

b ) \_\_\_\_\_ (2m)

**~END OF PAPER~**

*Have you checked your work thoroughly?*



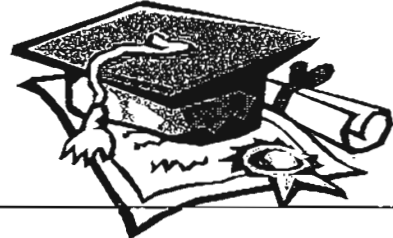


# ANSWER SHEET

## EXAM PAPER 2011

SCHOOL : ROSYTH  
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
1	3	1	3	4	3	3	1	1	1	2	4	2	3	3	2	4

Q18	Q19	Q20
1	4	2

21)7079      22)2450      23)3499      24)983      25)56

26)7/12      27)70cm      28)4L 700ml      29)\$40      30)A

31)5134, 5143, 5341, 5413      32)5/9, 1/2, 3/8, 1/4

34)6      35)400      36)4200      37)3600

38)122      39)17      40)\$1.40

41)38 + 25 = 63  
63 - 40 = 23

42)15 + 15 + 82 = 112  
625 - 112 = 513  
513 ÷ 3 = 171

Beng Soon have 171 stamps.

43)\$48.50 - \$15.90 = \$32.60  
\$8.65 + \$19.70 + \$32.60 = \$60.95

44)a)  $2/5 + 3/10$   
 $= 4/10 + 3/10 = 7/10$   
b)  $7/10 - 1/2$   
 $= 7/10 - 5/10 = 2/10 = 1/5$

45)8cm x 2 = 16cm  
6cm x 2 = 12cm  
16cm + 12cm = 28cm  
8cm x 6cm = 48cm

a)28cm  
b)48cm

