Rosyth School

Second Continual Assessment 2013

Mathematics

Primary 4

45

Name: _____

Class: Pr 4-_____ Register No. _____ Duration: 1h 30 min

Date: 27th August 2013 Parent's Signature: _____

Instructions to Pupils

1. Do not start on the assessment until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 3 parts of individual work: Tasks 2, 3 and 4.

	Maximum	Marks Obtained
Task 2	15	
Task 3	15	
Task 4	15	
Total	45	

Instructions to pupils for Tasks 2, 3 and 4

Please read the instructions given for each task carefully to complete all 3 given individual tasks.

Task 2 (2 pages):

1. You are to use the completed Task 1 to answer the questions in this Task 2.
2. Read the questions carefully and write your answers in the space provided.
3. Give your answers in the units stated.
4. Complete all questions given in Task 2.

Task 3 (6 pages):

1. Read the instructions given to complete this task.
2. For each Word Problem given in Task 3, identify the correct model to use to solve the problem and write your choice in the space provide.
3. Using the model that you have identified, solve the Word Problem with the appropriate number statements and working. Show all your workings clearly.
4. Complete all questions given in Task 3.

Task 4 (3 pages including grid paper):

1. Read the instructions given to complete this task.
2. Shade your answers on the grid paper neatly and clearly using a **pencil**.
3. Complete the task by completing the table given.

End of Alternative Assessment

Please check your work!

ROSYTH SCHOOL

Primary 4 Mathematics 2013

Alternative Assessment

Name : _____ ( )

Marks 45

Class : Primary 4-_____

Date : _____ Parent's Signature : _____

Task 2a : Decimals (Individual Work)

a) **Based on the information from the total fertility rate (TFR), in which year was the TFR highest in Singapore?**

(1 mark)

Answer : _____

b) **What is the difference between the total fertility rate of Singapore in 2007 and in 2012 ?** (Please show number statement and answer)

Number Statement : _____ **(1 mark)**

Answer: _____. **(1 mark)**

c) **In the boxes provided below, arrange the TFR for Singapore (based on each year's collected data in Task 1a) in ascending order.**

(1 mark)

Lowest (TFR) Highest (TFR)

Task 2b : Decimals (Individual work)

- You are planning to order food for 3 guests from Australia who are in Singapore to have a taste our local food for a friend's farewell party.
- The **main dishes consist of nasi lemak and laksa (noodles).**
- The **side dishes consist of fried chicken wing and otah.**
- The **beverages consist of ice lemon tea and barley.**
- There must be a **main dish, side dish and a beverage for each guest.**
- **Each guest MUST NOT have the same exact combination of main and side dish and beverage.**
- The total cost of the food must **not be more than $25.00.**
- **Use the menu item list given** and work out the type and amount of food that you will order in the space given below.
- List out all your final orders and the total cost in the table given below.

Guest	Main Dish	Side Dish	Beverage	Total Cost
Guest A (3 Marks)	Nasi Lemak Set 1			
Guest B (3 Marks)		Fried Chicken Wing		
Guest C (3 Marks)			Barley	
			Total Cost (2 Marks)	

ROSYTH SCHOOL

Primary 4 Mathematics 2013

Alternative Assessment

Name : _____ ( )

Marks 15

Class : Primary 4-_____

Date : _____ Parent's Signature : _____

Task 3: Math Analysis

Objective:
To provide opportunity for pupils to use their critical thinking skills to identify the correct models and use them to solve the given word problem.

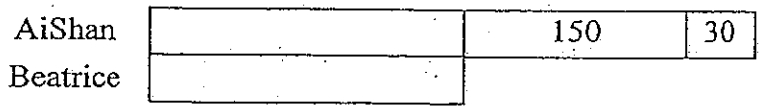
What's Wrong?

Read the **3 word problems** below carefully. Identify the correct model and fill in the blank with the correct answer. You may use the correct model to help you to solve the word problem. You also have to write clearly the number sentence and word statement. (5 marks each)

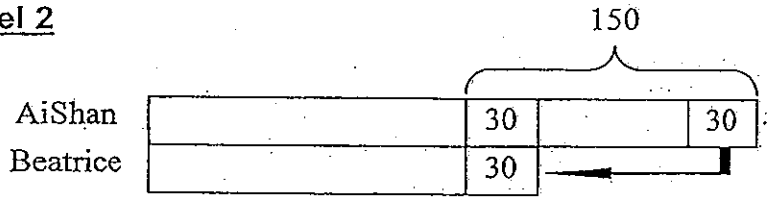
Word Problem 1

AiShan had 150 more marbles than Beatrice. AiShan gave Beatrice 30 marbles. AiShan now has twice as many marbles as Beatrice. How many marbles does Aishan have at first?

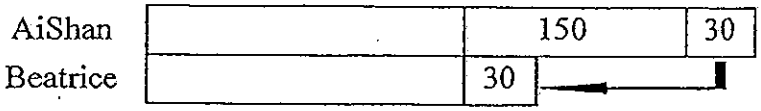
Model 1



Model 2



Model 3



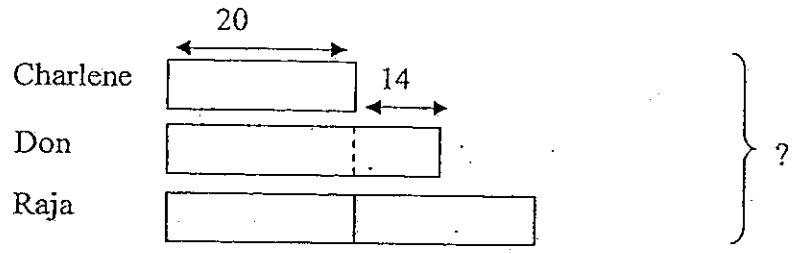
The correct model is Model _____ (1 mark)

My solution : Please show all number statements and working in the space provided below.
(4 marks)

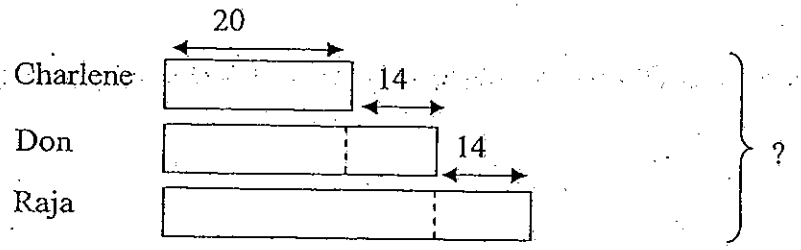
Word Problem 2

Charlene baked 20 cookies. Don baked 14 more cookies than Charlene. Raja baked twice as many cupcakes as Don. How many cupcakes did they baked altogether?

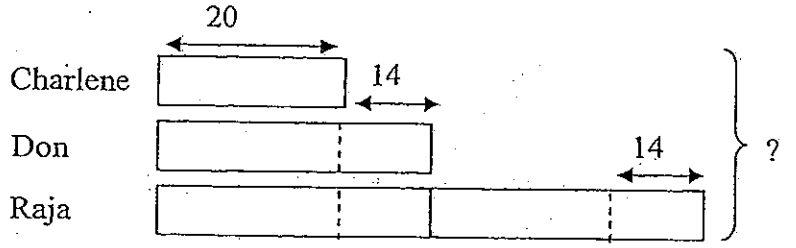
Model 1



Model 2



Model 3



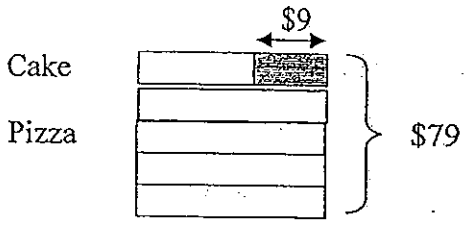
The correct model is Model _____ (1 mark)

My solution : Please show all number statements and working in the space provided below.
(4 marks)

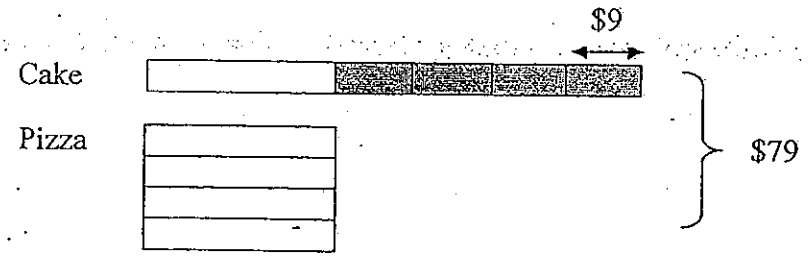
Word Problem 3

The cost of a cake and 4 pizza is $79. The cake is $9 more expensive than each pizza. How much does the cake cost?

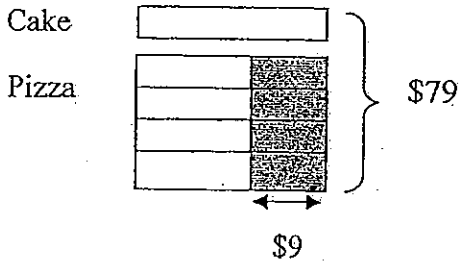
Model 1



Model 2



Model 3



The correct model is Model _____ _____ (1 mark)

My solution : Please show all number statements and working in the space provided below.

(4 marks)

Rosyth School
Primary 4 Alternative Assessment 2013
Mathematics

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Name : _____ ( )

Class : P4 - _____

Date : _____ Parent's Signature: _____

Task 4: Individual Work
Time: 30 minutes
Objectives:

1) To draw and find the area and perimeter of different rectangles, given a fixed perimeter.
2) To find the length, breadth and area of different rectangles, given a fixed perimeter.

a) The square grid given is 1 cm by 1 cm. Draw and shade **5 different rectangles**, each with a perimeter of **48 cm**. Label these figures A, B, C, D and E.

(10 marks)

b) What are the possible areas, lengths and breadths of rectangles with a perimeter of 48 cm?

Complete the table below with your answers. (5 marks)

Perimeter (cm)	Length (cm)	Breadth (cm)	Area (cm^2)
48			
48			
48			
48			
48			

ANSWER SHEET

EXAM PAPER 2013
SCHOOL : ROSYTH
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : CA2

Task 2a

a) 2003

b) Number statement: 1.07 – 0.78 = 0.29
Answer: 0.29

c)

0.78	1.07	1.08	1.09	1.1	1.11

Lowest Highest

Task 2b

Guest	Main Dish	Side Dish	Beverage	Total Cost
Guest A	Nasi Lemak Set 1 $4.20	Fried Chicken Wing $1.50	Ice lemon tea $1.80	$7.50
Guest B	Laksa $4.60	Fried Chicken Wing $1.50	Barley $1.50	$7.60
Guest C	Laksa $4.60	Otah $0.70	Barley $1.50	$6.80
			Total cost	$21.90

Task 3

Word Problem 1

Answer: 2

My solution

1 unit → 150 – 30 – 30 = 90

2 units → 90 x 2 = 180

No. of marbles at first = 180 + 30 = 210

Word Problem 2

Answer: 3

My solution

20 x 4 = 80

14 x 3 = 42

80 + 42 = 122

They baked 122 cookies or cupcakes.

Word Problem 3

Answer: 3

My solution

9 x 4 = 36

79 + 36 = 115

115 / 5 = 23

Task 4

Length (cm)	Breadth (cm)	Area (cm^2)
20	4	80
19	5	95
15	9	135
14	10	140
13	11	143