RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2
2013

Your Score Out of 100 marks	
Parent's Signature	

Name : _____( ) Class: P4__

8th October 2013 MATHEMATICS Duration: 1 h 45 min

SECTION A (25 marks)

Question 1 to 5 carry 1 mark each. Question 6 to 15 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). Shade your answer (1, 2, 3 or 4) on the OAS provided.

1. The value of the digit 8 in 68 754 is _____.

   (1) 80
   (2) 800
   (3) 8000
   (4) 80 000

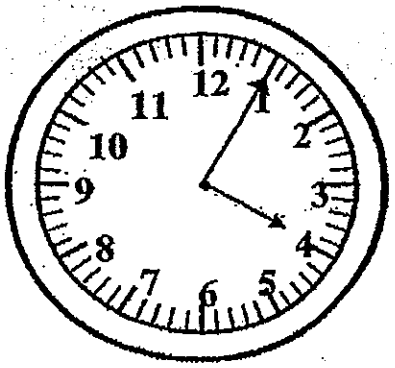
2. 49 973 when rounded off to the nearest hundreds is _____.

   (1) 49 900
   (2) 49 970
   (3) 49 980
   (4) 50 000

3. The perimeter of a square is 44 cm. Find the area of the square.

   (1) 11 cm^2
   (2) 88 cm^2
   (3) 121 cm^2
   (4) 242 cm^2

4. Johnny went out of his house in the afternoon as indicated on the clock shown below.
What was the time he left his house? (Express your answer in 24-hour clock)



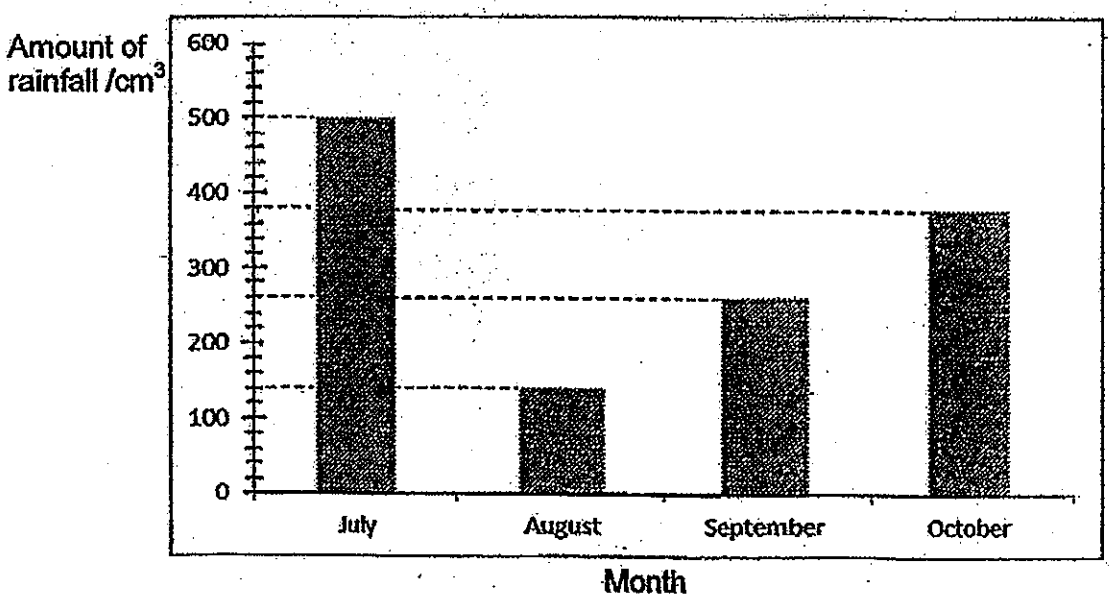
(1) 0120

(2) 0405

(3) 1320

(4) 1605

5. The table shows the amount of rainfall



Find the total amount of rainfall for August and September.

(1) 140 cm^3

(2) 260 cm^3

(3) 300 cm^3

(4) 400 cm^3

6. 12 000 cm is _____m.

(1) 1.2

(2) 12

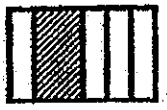
(3) 120

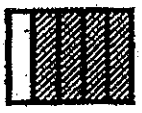
(4) 1 200

7. Which one of the following has $\frac{1}{5}$ of the figure shaded?

(1) 

(2) 

(3) 

(4) 

8. Which of the following figures has perpendicular lines?

(1) P

(2) X

(3) E

(4) Z

9. Which of the following fractions is in its simplest form?

(1) $\frac{3}{12}$

(2) $\frac{4}{10}$

(3) $\frac{3}{5}$

(4) $\frac{6}{8}$

10. What is the number when 146.67 is rounded off to 1 decimal place?

(1) 146.0

(2) 146.6

(3) 146.7

(4) 147.0

11. What is 3987 ÷ 9?

(1) 442

(2) 443

(3) 542

(4) 543

12. Justina used 14 fifty-cent coins and some twenty-cent coins to exchange for a $10 note. How many twenty-cent coins did she use?

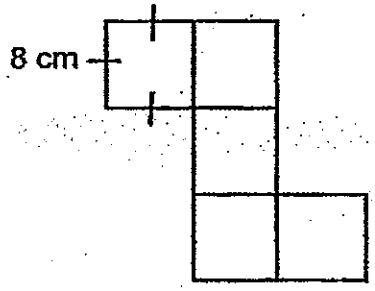
(1) 15

(2) 14

(3) 3

(4) 7

13. The figure below is made up of 5 identical squares.



If the length of each side of the square is 8 cm, find the area of the figure.

(1) 96 cm^2

(2) 128 cm^2

(3) 160 cm^2

(4) 320 cm^2

14. The table below shows the number of delivered letters in a neighbourhood for 4 weeks in August.

Week	Number of delivered letters
1	650
2	340
3	430
4	300

Which week in August had $\frac{1}{4}$ of the total number of delivered letters?

(1) Week 1

(2) Week 2

(3) Week 3

(4) Week 4

15. Pauline had some money. $\frac{1}{3}$ of the amount that she had was \$16. After she spent some money, she then had $\frac{5}{6}$ of her original amount of money.
How much money did she have in the end?

(1) \$8

(2) \$24

(3) \$40

(4) \$48

SECTION B (40 marks)

Question 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working.

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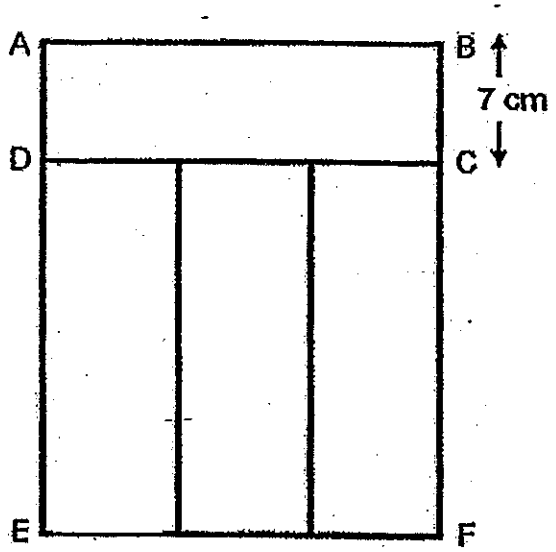
16. Study the number pattern below.
What is the missing number?

Ans: _____

17. The figure ABFE below is made up of 4 identical rectangles.
BC is 7cm.
Find the perimeter of the figure.



Ans: _____ cm

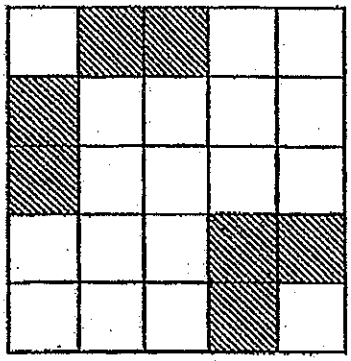
18. The perimeter of a rectangle is 48 m.
The length is thrice its breadth.
What is the breadth of the rectangle?

Ans: _____m

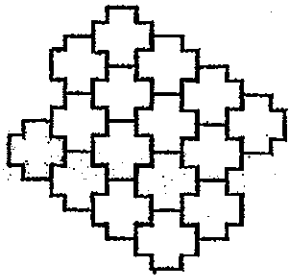
19. A pole measures 3 m 53 cm. What is the total length of 8 such identical poles?

Ans: _____cm

20. Draw a line of symmetry in the figure shown below.



21. Shade the unit shape of tessellation of the figure below.



22. Which two fractions below are larger than $\frac{1}{2}$?

$$\frac{1}{7} \quad , \frac{2}{3} \quad , \frac{2}{10} \quad , \frac{5}{8}$$

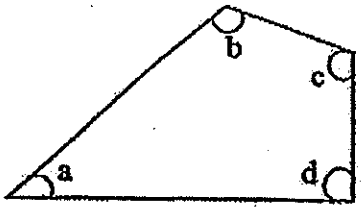
Ans:_____ and _____

23. Arrange these numbers from greatest to smallest.

1.234 , 0.099 , 0.520, 0.989

Ans: _____, _____, _____, _____

24. In the figure below, one of the angles is smaller than a right angle. Name that angle.



Ans: ∠_____

25. Subtract $\frac{1}{3}$ from $\frac{7}{9}$.

Ans: _____

26. Round off 87 983 to the nearest tens.

Ans: _____

27. Two factors of 21 are 1 and 21. What are the other two factors of 21?

Ans: _____ and _____

28. The table below shows the total number of plates of chicken rice and nasi lemak sold in the school canteen from Monday to Friday. Each plate of nasi lemak and chicken rice costs $0.50.

Day	Chicken Rice	Nasi Lemak	Amount collected
Monday	100	80	$90
Tuesday	60	90	$75
Wednesday	75	?	$60
Thursday	80	60	$70
Friday	75	65	$70

How many plates of nasi lemak were sold on Wednesday?

Ans: _____ plates

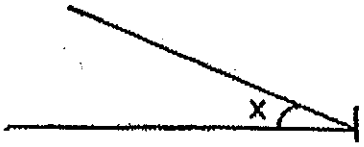
29. Mr Lee used 2 ℓ 250mℓ of milk to make a tub of ice-cream. How much milk will he need to make 7 such tubs of ice-cream?

Ans:_____

30. Suresh took 20 h and 11 minutes to paint 7 similar walls. How long did he take to paint 1 such wall?

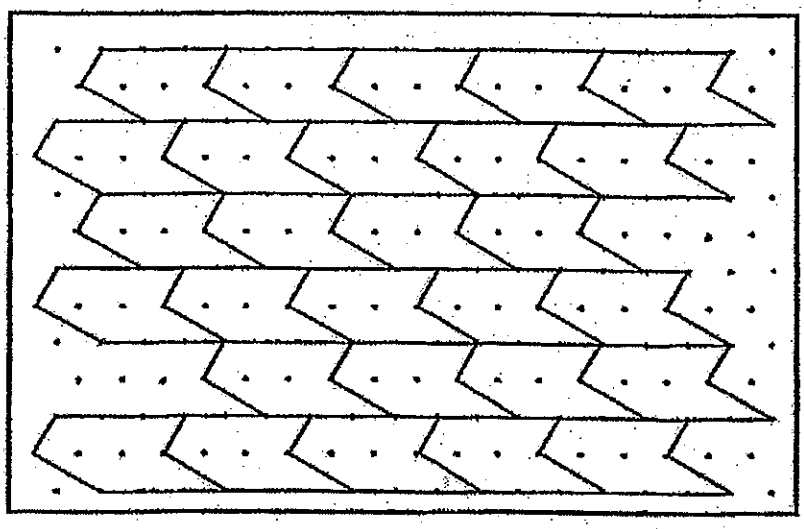
Ans: _____min

31. Measure and write down the size of ∠x.



Ans: _____°

32. Tessellate the figure below with 2 more units of tessellation.



33. Find the value of 8.34 x 8.

Ans:_____

34. The difference between two numbers is 3789. One of the numbers is 8648, what is the other number?

Ans: _____

35. An apple and a pear cost $1.40. A pear and an orange cost $1.80. An apple and an orange cost $2.10.
What is the total cost of an apple, a pear and an orange?

Ans: $_____

SECTION C (35 marks)

For question 36 to 44, show your working clearly in the space provided below each question and write your answer with suitable units in the spaces provided. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

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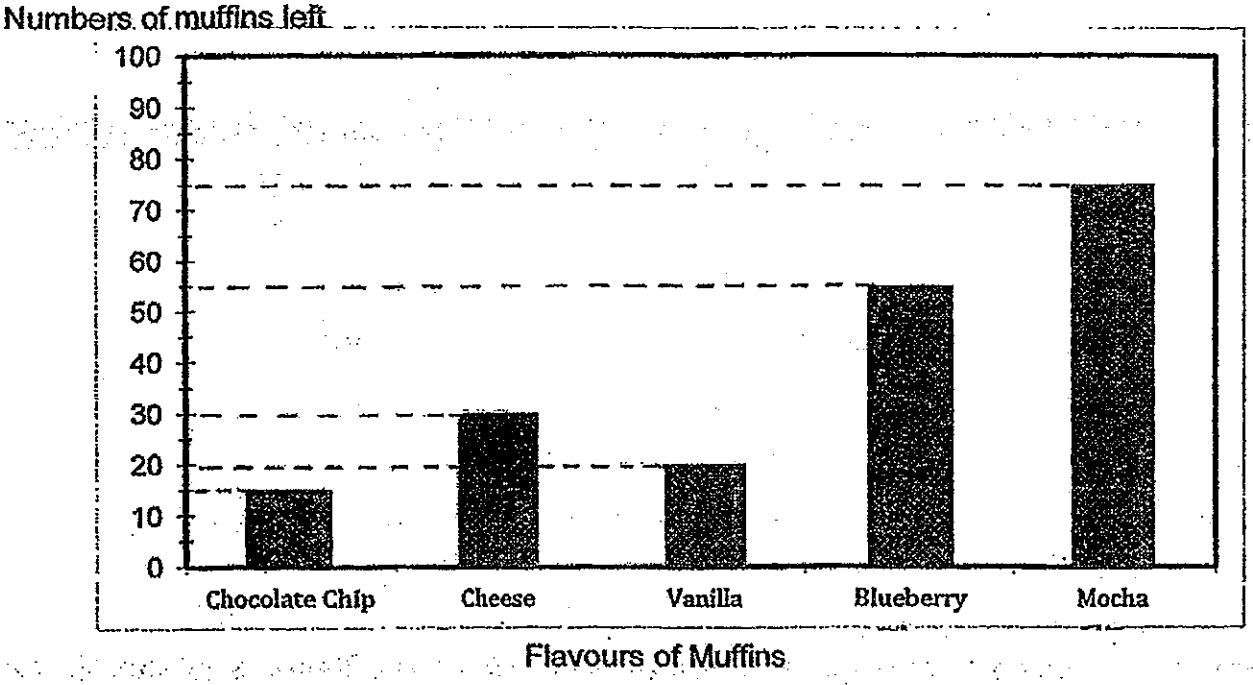
36. Raymond had a piece of rope measuring 7.15 m. He used 2.55 m of the rope for his project and the rest of the rope was shared equally among 5 of his friends.

What was the length of the rope each of his friends received?

Ans: _____ [3]

37. A baker baked 100 muffins of each different flavour every day.
The bar graph below shows the number of muffins that was left at the end of Monday.



a) Which flavour was the most popular?
b) How many muffins did the baker sell on the Monday?

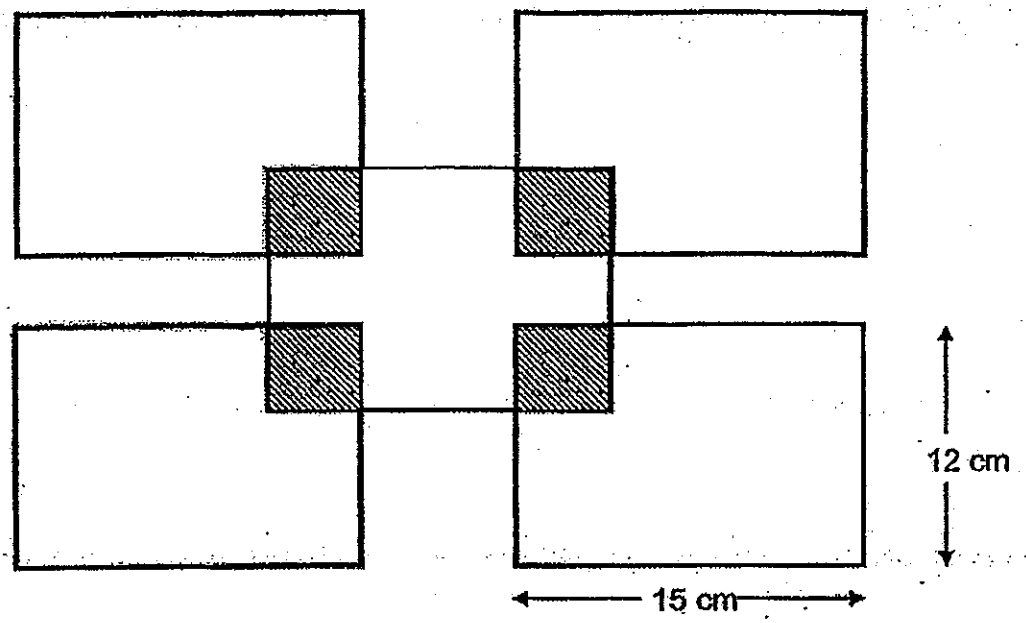
Ans: a)_____[1]

b)_____[2]

38. Jenny had some fiction and non-fiction books to sell. She had 160 more fiction books than non-fiction books. After selling half of her fiction books and half of her non-fiction books, she had 3 times as many fiction books than non-fiction books.
How many books did Jenny have at first?

Ans: _____ [3]

39. The figure below shows 5 big identical rectangles. 1 rectangle overlaps on the other 4 rectangles to form 4 smaller identical shaded rectangles of 12 cm^2 each. The length of each big rectangle is 15 cm while the breadth is 12 cm.



Find the total area of the unshaded parts.

Ans: _____ [4]

40. Toothpicks are used to form the following figures below. Study the pattern carefully and answer the following questions below.

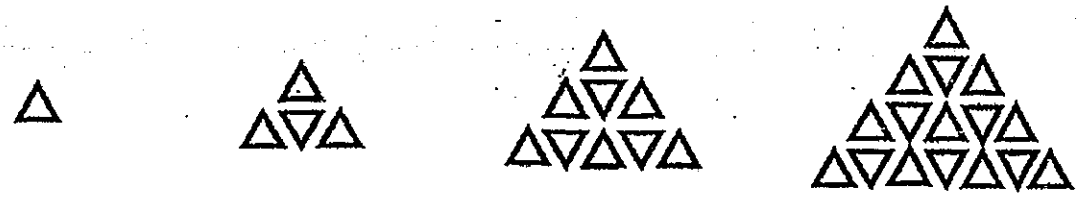


Figure 1 Figure 2 Figure3 Figure 4

Figure	1	2	3	4	5	...	8
Number of toothpicks	3	12	27	48	(a)	...	(b)
Number of triangle	1	4	9	16			

a) How many toothpicks are used to form figure 5?
b) How many toothpicks are used to form figure 8?
c) Which figure requires 588 toothpicks to be formed?

Ans: a)_____[1]

b)_____[1]

c)_____ [2]

41. Jimmy had $272 more than Melissa at first. Jimmy then received $141 from his father while Melissa received $1275 from her mother.

As a result, Melissa now had 3 times as much money as Jimmy.

How much did Jimmy have at first?

Ans: (a) _____ [4]

42. Jane and Peter had an equal amount of money.
Jane bought 2 pairs of shoes while Peter bought 3 bags. A pair of shoes cost $150 and it cost $90 more than a bag.
In the end, the amount of money Peter had left was twice as much as the money Jane had left.

How much money did Peter have at first?

Ans: _____ [4]

43. Mr. Ong had only \$2 notes and \$5 notes in his wallet.

$\frac{1}{3}$ of the total number of dollar notes was \$2 notes.

Mr. Ong took out 10 five-dollar notes and exchanged them for \$2 notes.

In the end, there was an equal number of \$2 notes and \$5 notes

Find the total value of money Mr. Ong had in his wallet.

Ans: _____ [5]

44. The mass of sugar in container A was $\frac{1}{4}$ the mass of sugar in container B.
After 2.25 kg of the sugar in container A and 14 kg 400 g of sugar in container B was used, the mass of sugar in container A was $\frac{1}{2}$ the mass of sugar in container B.

What was the total mass of sugar in container A and B at first?

Ans: _____ [5]

-End of Paper-
Please check your work carefully ☺

Setters: Mr. Johnson Ong
Mr. Ho Ghim Khoon

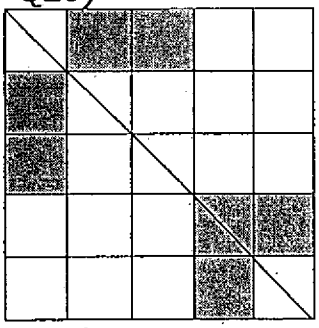
Answer Ke

EXAM PAPER 2013
SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
SUBJECT : PRIMARY 4 MATHS

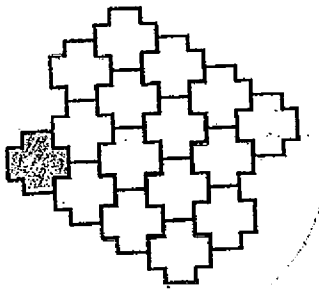
TERM : SA2

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

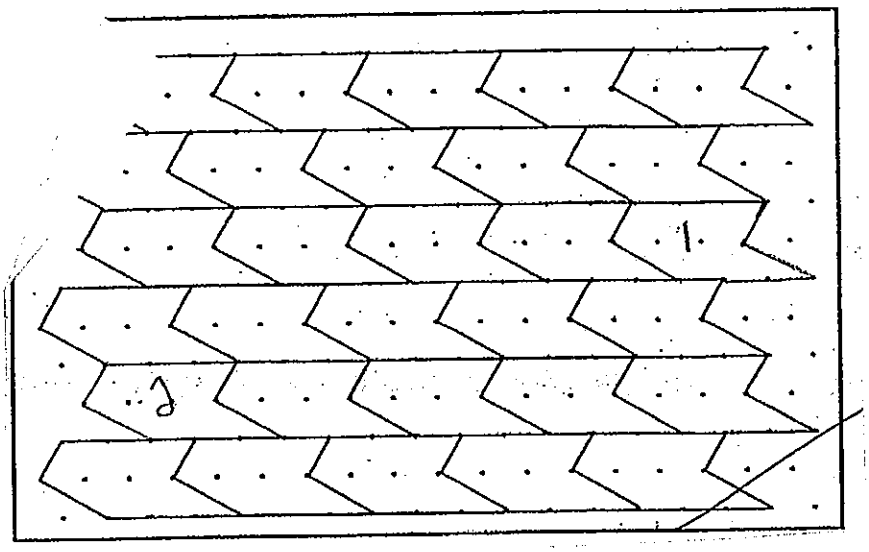
Section B
Q16) 122
Q17) 98cm
Q18) 6m
Q19) 2824cm
Q20)



Q21)



Q22) 2/3 and 5/8
Q23) 1.232, 0.989, 0.52, 0.099
Q24) Δ a
Q25) 4/9
Q26) 87980
Q27) 3 and 7
Q28) 45 plates
Q29) 15.750L
Q30) 173min
Q31) 23°
Q32)



Q33) 66.72
Q34) 4859
Q35) $2.65

Section C
Q36) 7.15 – 2.55 = 4.6
4.6 ÷ 5 = 0.92
Each friend received 0.92m

Q37
a) Chocolate → 100 – 15 = 85
Cheese →100 – 30 = 70
Vanilla → 100 – 20 = 80
Chocolate chip was the most popular
b) Blueberry → 100 – 55 = 45
Mocha → 100 – 75 = 25
85 + 70 + 80 + 45 + 25 = 305
He sold 305 muffins

Q38) 4u → 160
1u → 40
40 x 3 = 320
She had 320 books at first

Q39) 12 x 15 = 180
12 x 4 = 48
180 – 48 = 132
180 – 12 = 168
168 x 4 = 672
672 + 132 = 804
The total unshaded area is 804cm^3

Q40
a) 5 x 5 = 25
25 x 3 = 75
75 toothpicks were used
b) 8 x 8 = 64
64 x 3 = 192
192 toothpicks were used
c) 588 ÷ 3 = 196
196 = 14 x 14
It would be Figure 14

Q41) 272 + 141 = 413
1275 – 413 = 862
862 ÷ 2 = 431
431 – 141 = 290
He had $290 at first.

Q42) 150 x 2 = 300
150 – 90 = 60
60 x 3 = 180
300 – 180 = 120
120 x 2 = 240
240 + 180 = 420
Peter had $420 at first

Q43) $50 \div 2 = 25$

$1u \rightarrow 25 + 10 = 35$

$35 \times 2 = 70$

$70 \times 5 = 350$

$350 + 70 = 420$

He had $420 in his wallet

Q44) $2.25 \times 4 = 9$

$2u \rightarrow 14.4 - 9 = 5.4$

$1u \rightarrow 5.4 \div 2 = 2.7$

$2.7 + 2.25 = 4.95$

$4.95 \times 5 = 24.75$

The total mass was 24.75kg

Rosyth School
Topical Test 1
Mathematics
Primary 4

Name: _____ Total 30

Class: Pr 4- _____ Register No. ____ Duration: **50 minutes**

Date: 1st March 2013 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. ANSWER ALL THE QUESTIONS.
5. Check all answers carefully.

	Maximum	Marks Obtained
Section A	10	
Section B	12	
Section C	8	
Total	30	

* This paper consists of 6 pages altogether (including cover page).