Rosyth School
Second Semestral Assessment 2013
Mathematics
Primary 3

100

Name: _____

Class: Pr 3-_____ Register No.: _____ Duration: 1 h 45 min

Date: 24 Oct 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. 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.

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.

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1. In 5 762, the digit ____ is in the hundreds place.

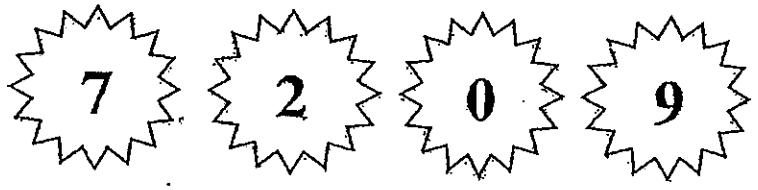
   (1) 5

   (2) 2

   (3) 6

   (4) 7

2. Form the smallest 4-digit number using the following digits.



   (1) 2 079

   (2) 2 709

   (3) 7 209

   (4) 9 720

3. Find the missing number in the box below.

$$\frac{8}{10} = \frac{4}{\boxed{?}}$$

   (1) 5

   (2) 2

   (3) 8

   (4) 20

Pg-2
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4. Convert 3 085 ml to litres and millilitres.

(1) 3 *l* 85 m*l*

(2) 3 *l* 850 m*l*

(3) 30 *l* 85 m*l*

(4) 308 *l* 5 m*l*

5. The length of a classroom is about _____.
What is the missing unit?

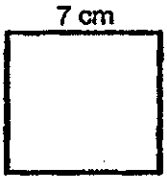
(1) 12 cm

(2) 12 m

(3) 120 cm

(4) 120 m

6. Find the perimeter of the square as shown below.



(1) 7 cm

(2) 14 cm

(3) 28 cm

(4) 49 cm

7. What is the remainder when 723 is divided by 4?

(1) 1

(2) 2

(3) 3

(4) 4

8. What is the product of 488 and 8?

(1) 61

(2) 480

(3) 496

(4) 3 904

9. $4 + 4 + 4 = \square \times 2$

(1) 6

(2) 2

(3) 3

(4) 4

10. The sum of 2 numbers is 5 644.
The first number is 2 156.
What is the other number?

(1) 3 488

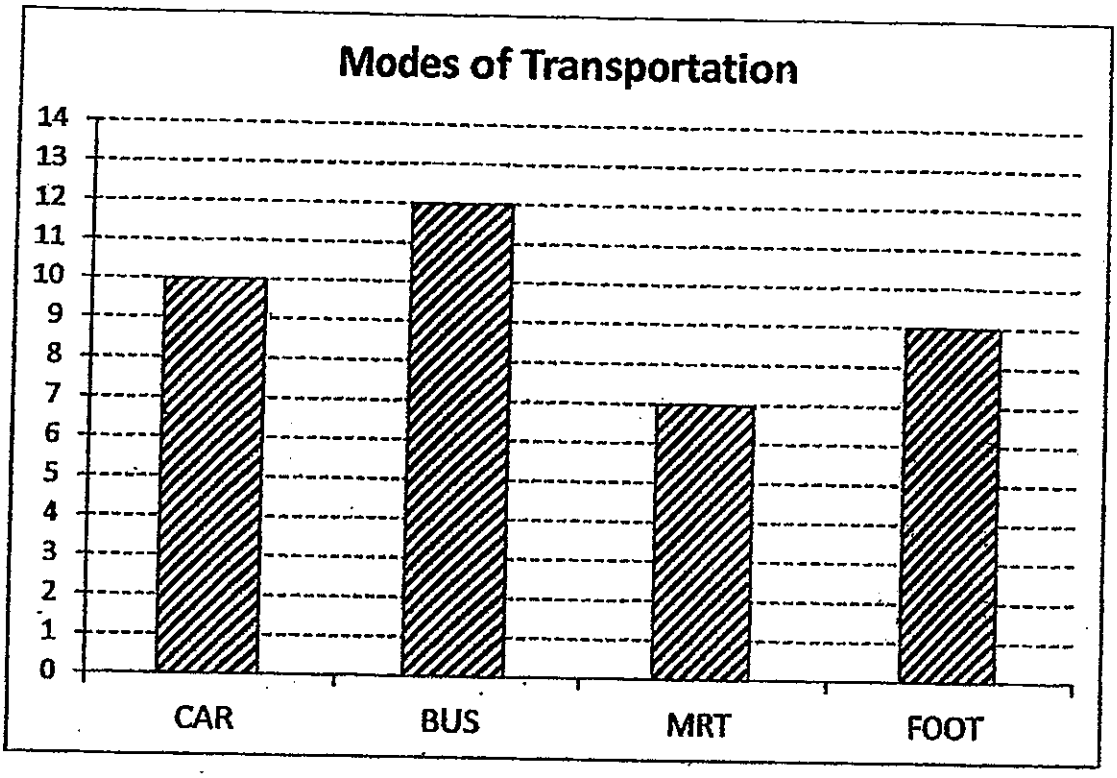
(2) 3 512

(3) 3 588

(4) 3 598

Answer questions 11 and 12 based on the information below.

The bar graph below shows the modes of transportation of a P3 class each day.



11. How many pupils come to school by foot?

(1) 7

(2) 8

(3) 9

(4) 10

12. How many more pupils come to school by bus than by MRT?

(1) 5

(2) 7

(3) 12

(4) 19

13. Which one of the following fractions is the greatest?

(1) $\frac{1}{2}$

(2) $\frac{2}{3}$

(3) $\frac{3}{4}$

(4) $\frac{5}{12}$

14. What fraction of the figure shown below is unshaded?

(1) $\frac{1}{5}$

(2) $\frac{2}{5}$

(3) $\frac{2}{9}$

(4) $\frac{4}{5}$

15. The capacities of three mugs are as shown.
What is the difference in capacity between the largest and smallest mugs?

Mug	Capacity
X	325 ml
Y	550 ml
Z	330 ml

(1) 220 ml

(2) 225 ml

(3) 235 ml

(4) 875 ml

Study the table below and answer questions 16 and 17.

KCC Fast Food Restaurant			
			
2 pieces of chicken	A cup of whipped potatoes	A can of soft drink	An ultimate box meal
$6.95	$2.95	$1.50	$7.30

16. Crystal bought an ultimate box meal and a can of soft drink. How much must she pay the cashier?

(1) $5.80

(2) $6.20

(3) $7.30

(4) $8.80

17. Henry had only $10. Which one of the following combinations could he buy?

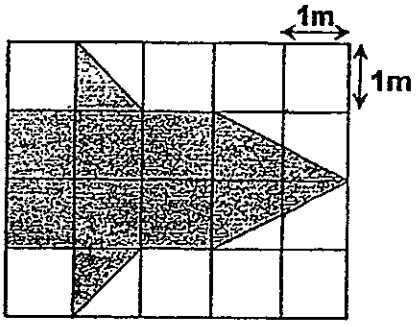
(1) 1 ultimate box meal and 2 cans of drink

(2) 1 ultimate box meal and 1 cup of whipped potatoes

(3) 2 pieces of chicken and 1 cup of whipped potatoes

(4) 2 pieces of chicken, 1 can of drink and 1 cup of whipped potatoes

18. Find the area of the shaded figure.



(1) 9 m^2

(2) 11 m^2

(3) 12 m^2

(4) 14 m^2

19. Mrs Lim baked some cupcakes. After giving away 357 cupcakes, she had 128 left. How many cupcakes did Mrs Lim have at first?

(1) 229

(2) 231

(3) 475

(4) 485

20. John was supposed to multiply a number by 6 but he divided it by 6 instead. His final wrong answer was 24. What should the correct answer be?

(1) 1

(2) 144

(3) 864

(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.

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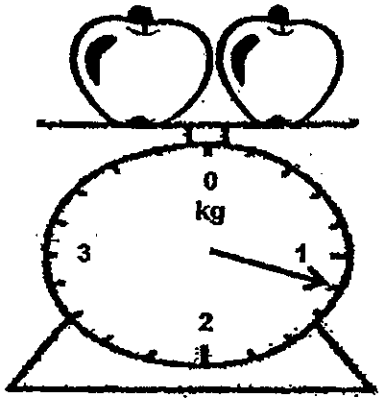
21. Write the following in figures.

Eight thousand, seven hundred and four

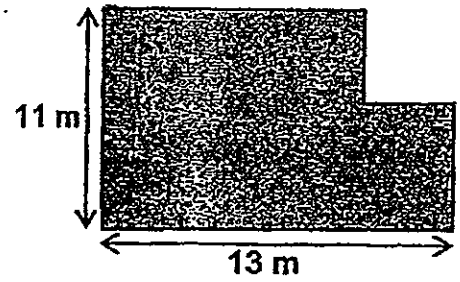
22. 1 whole = _____ eighths

23. What is the mass of the apples?



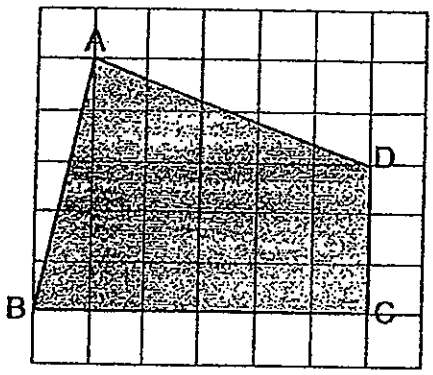
_____ kg _____ g

24. What is the perimeter of the shaded region?

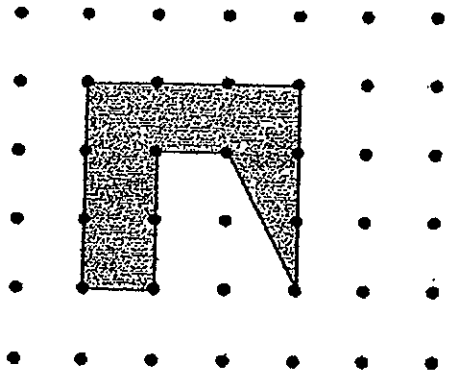


m

25. Name the pair of perpendicular lines in this figure.



26. How many right angles are there in the shaded figure below?

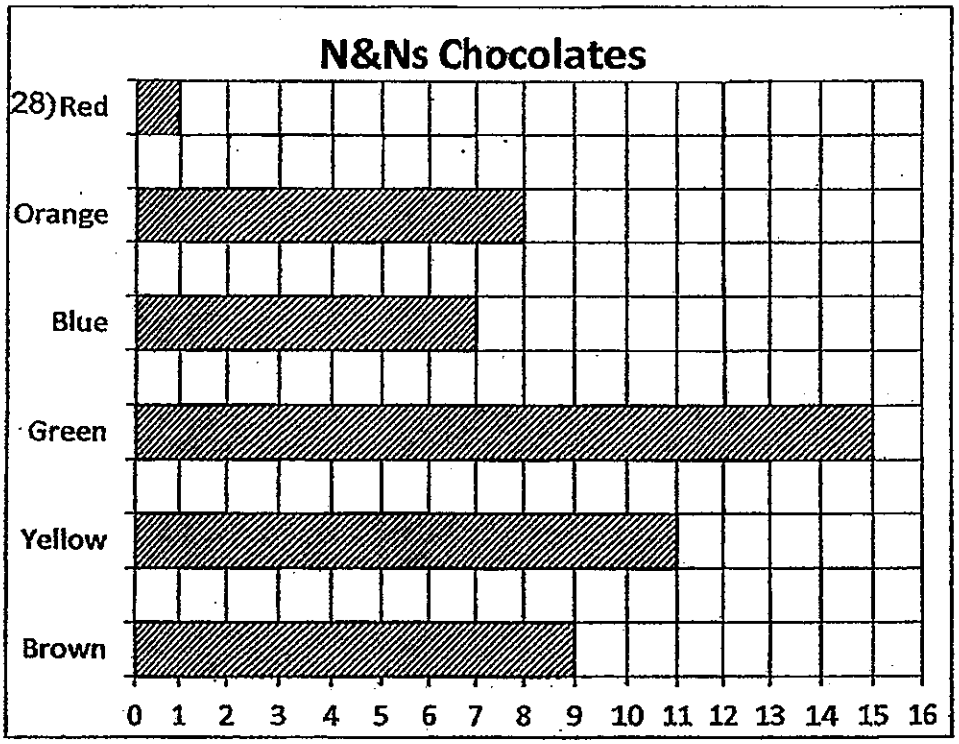


27. Write $10.05 in cents.

Answer questions 28 to 30 based on the information below.

Bala opened a packet of N&Ns chocolates and counted the quantity of each colour in the packet.

Colour	Quantity
Red	12
Orange	8
Blue	7
Green	15
Yellow	(29) ?
Brown	9



28. Complete the bar graph above to show the information.

29. What is the missing number in the table above?

30. How many N&Ns chocolates are there in the packet?

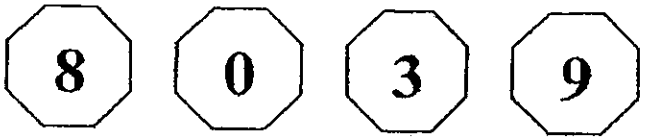
31. Arrange the following numbers. Begin with the greatest.

3 204	2 304	2 340	2 403

_____, _____, _____, _____

greatest

32.



Find the difference between the largest 4-digit number and the smallest 4-digit number.

33. 4, 16, 64, ___?___, 1024

Find the missing number in the pattern above.

34. Mr. Faizal had 136 sweets. He gave 4 sweets to each of his pupils and had no sweets left. How many pupils did he have in his class?

35. Arrange $\frac{1}{2}$, $\frac{2}{3}$ and $\frac{7}{12}$ in order. Begin with the greatest.

_____ , _____ , _____

36. The mass of a box and a packet of nuts is 1 260 g.
The mass of the box and 4 packets of the nuts is 2 010 g.
What is the mass of 1 packet of nuts?

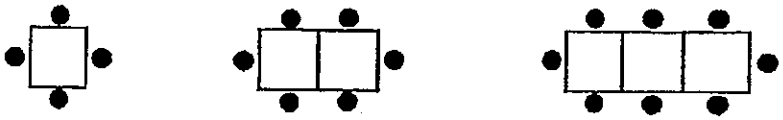
_____ g

37. Sharon cut a piece of ribbon into 8 equal pieces. She gave half of them away and used 3 pieces to tie a present. What fraction of the ribbon had she left? (Give your answer in the simplest form)

38. I am a 4-digit number. The digit in the hundreds place is 2 more than the digit in the tens place. The digit in the ones place is 3 times the digit in the hundreds place. The digit in the thousands place is 3 more than the digit in the ones place. The digit in the tens place is 0.
What number am I?

39. What is the least number of coins needed to make \$2.75, using \$1, 50¢, 20¢, 10¢ and 5¢ coins?

40.



Pattern 1 Pattern 2 Pattern 3

Based on the pattern above, how many ● would there be for pattern 8?

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.

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41. Mr. Raju has 13 boxes of mangoes. Each box contains 9 mangoes.

    a) How many mangoes does he have altogether?

    b) He repacks the mangoes into bags of 4 mangoes each.
    How many mangoes are left unpacked?

Answer: a) _____(2m)

b) _____(2m)

42. Henry is 18 kg heavier than Irene.
Henry is 4 kg lighter than Jacob.
The total mass of the 3 children is 154 kg.
What is Jacob's mass?

Answer: _____ (4 m)

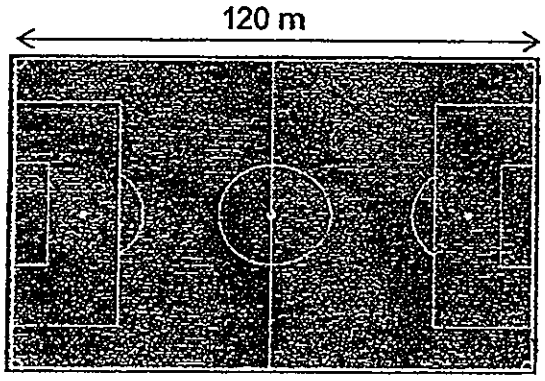
43. Helen spent $\frac{1}{6}$ of her allowance on food and some of it on stickers.

She had $\frac{1}{3}$ of her allowance left.

What fraction of the allowance did she spend on stickers?
(Give your answer in the simplest form)

Answer: _____ (4 m)

44.



The length of a rectangular field is 120 m.
Its breadth is half its length.
Siti ran around the field thrice.
What was the total distance that Siti ran?

Answer: _____ (4 m)

45. A bag of apples cost $4 and a bag of pears cost $5.
Alan spent $243 to buy an equal number of bags of apples and pears.
How many bags of apples and pears did he buy altogether?

Answer : _____ (4 m)

~END OF PAPER~
Have you checked your work thoroughly?

Answer Ke

EXAM PAPER 2013
SCHOOL : ROSYTH PRIMARY SCHOOL
SUBJECT : PRIMARY 3 MATHS

TERM : SA2

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

Q18	Q19	Q20
1	4	3

Section B

Q21) 8704

Q22) Eight

Q23) 1kg 200g

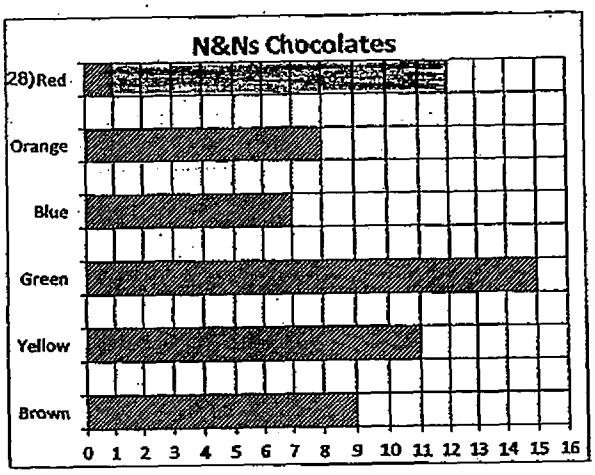
Q24) 48m

Q25) BC ⊥CD

Q26) 4

Q27) 1005¢

Q28)



Q29) 11
Q30) 62
Q31) 3204, 2403, 2340, 2304
Q32) 6741
Q33) 256
Q34) 34
Q35)2/3, 7/12, 1/2
Q36) 250g
Q37) 1/8
Q38) 9206
Q39) 5
Q40) 18

Section C
Q41
a) 13 x 9 = 117
He has 117 mangoes altogether
b) 1117 ÷ 4 = 29 R 1
1 mango was left unpacked

Q42) 154 – 40 = 114kg
3u → 114kg
1u → 114 ÷ 3 = 38kg
38 + 18 + 4 = 60kg
Jacob's mass was 60kg

Q43) 1/3 x 2/2 = 2/6
1/6 + 2/6 = 3/6 = 1/2
She spent 1/2 of the allowance on stickers

Q44) 120 ÷ 2 = 60
120 + 120 + 60 + 60 = 360m
360 x 3 = 1080m
Siti ran 1080m

Q45) 243 ÷ 9 = 27
27 x 2 = 54
He bought 54 bags of apples and pears.

SINGAPORE CHINESE GIRLS' SCHOOL
FIRST SEMESTRAL ASSESSMENT 2013
PRIMARY 3
MATHEMATICS

Name : _____ ( ) Date : _____

Class : Primary 3 Duration : 1 h 45 mins

Parent's Signature : Marks ____/100

_____

Section A (40 marks)

Questions 1 – 20 carry 2 marks each. For each question, 4 options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval in the Optical Answer Sheet (OAS).

1. In the number 9254, the digit 5 is in the _____ place.

   (1) ones (2) tens

   (3) hundreds (4) thousands

2. Six thousand six hundred and thirty-three written as a numeral is _____.

   (1) 663 (2) 633

   (3) 6033 (4) 6633

3. 8000 + 56 + 44 = _____ hundreds

   (1) 801 (2) 81

   (3) 810 (4) 8100

4. The sum of 5728 and 313 is _____.

   (1) 5031 (2) 5415

   (3) 6031 (4) 6041