SA1

Rosyth School
First Semestral Assessment 2005
Mathematics
Primary 5

Total ____/100

Name: _____

Class: Pr 5 _____ Register No. _____ Duration: 2h 15 min

Date: _____ 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 15 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).

	Maximum	Marks Obtained
Section A	20	
Section B	30	
Section C	50	
Total	100	

* This paper consists of 19 pages altogether.

Section A (20 marks)
Questions 1 to 10 carry 1 mark each. Questions 11 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 the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

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1. In the number 405 627, what does the digit 5 stand for?

   (1) 500 (2) 5 000

   (3) 50 000 (4) 500 000

2. Round off 516 850 to the nearest hundred thousand.

   (1) 500 000 (2) 517 000

   (3) 520 000 (4) 600 000

3. How many thousands are there in 6 248 677?

   (1) 6 248 (2) 8 000

   (3) 8 677 (4) 48 000

4. Find the value of 300 000 + 80 000 + 500 + 60 + 3.

   (1) 308 563 (2) 380 563

   (3) 385 063 (4) 385 603

5. Find the value of 12 x 5 000.

   (1) 600 (2) 6 000

   (3) 60 000 (4) 600 000

6. Which of the following equation is correct ?

   (1) $\frac{1}{2} = \frac{3}{4}$ (2) $\frac{2}{3} = \frac{4}{12}$

   (3) $\frac{3}{5} = \frac{9}{20}$ (4) $\frac{4}{7} = \frac{8}{14}$

7. Which of the following is the best estimate for 251 x 76 ?

(1) 200 x 70 (2) 200 x 80

(3) 250 x 70 (4) 250 x 80

8. Find the value of 920 ÷ 30.

(1) 3 remainder 20 (2) 30 remainder 2

(3) 30 remainder 20 (4) 36 remainder 20

9. What is the number when divided by 28 gives a quotient of 13 and a remainder of 6?

(1) 364 (2) 370

(3) 442 (4) 532

10. Find the sum of $\frac{2}{7}$ and $\frac{1}{6}$

(1) $\frac{1}{13}$ (2) $\frac{3}{13}$

(3) $\frac{19}{42}$ (4) $\frac{23}{42}$

11. Estimate the sum of 5 791 and 8 200 by first rounding off the numbers to the nearest thousand.

(1) 3 000 (2) 13 000

(3) 14 000 (4) 15 000

12. Nicole bought a packet of flour. She used $\frac{1}{6}$ of it to make a cake and $\frac{2}{3}$ of it to make some cookies. What fraction of the packet of flour has she left?

(1) $\frac{1}{3}$ (2) $\frac{1}{6}$

(3) $\frac{1}{9}$ (4) $\frac{6}{9}$

13. Kelly brought 200 sweets to school. After giving 10 sweets to each of her 6 teachers, she distributed the rest equally among her 35 classmates. How many sweets did each classmate get?

(1) 4 (2) 5

(3) 6 (4) 7

14. Jane spent $\frac{2}{7}$ of her savings on books and donated $15 from her savings. She had $\frac{1}{2}$ of her savings left. How much was her savings at first?

(1) $5 (2) $35

(3) $55 (4) $70

15. Mrs Lee bought 2 kg of meat and 4 kg of prawns. If each kilogram of meat costs $9 and each kilogram of prawns costs $13, find out the total cost of the items.

(1) $22 (2) $62

(3) $70 (4) $132

Section B (30 marks)
For each question, write your answers in the spaces provided. Show your working below each question. Give your answers in the units stated. Questions 16 to 25 carry 1 mark each. Questions 26 to 35 carry 2 marks each.

16. What is the value of $6 \times (10 - 2) \div 4$?

Ans: _____ (1m)

17. 23 compact discs cost $460. Find the cost of 1 compact disc.

Ans: $_____ (1m)

18. Round off 2 874 to the nearest thousand.

Ans: _____ (1m)

19. Find the value of $\frac{4}{5} - \frac{1}{6}$

Ans: _____ (1m)

20. What is the quotient when 976 is divided by 9?

Ans: _____ (1m)

21. $\frac{10}{15} - \frac{2}{\square}$

What is the missing number in the box?

Ans: _____ (1m)

22. The product of a number and 24 is 288. What is that number?

Ans: _____ (1m)

23. 500 X 879 − ☐ = 499 X 879

What is the answer in the box?

Ans: _____ (1m)

24. What is the value of 109 − 9 ÷ 3 + 4 x 10 ?

Ans: _____ (1m)

25. May's monthly salary is $2 982. What is her monthly salary when it is rounded off to the nearest hundred?

Ans: $_____ (1m)

26. John ate $\frac{1}{8}$ of a pizza and Mark ate $\frac{1}{5}$ of it. What fraction of the pizza was left?

Ans: _____ (2m)

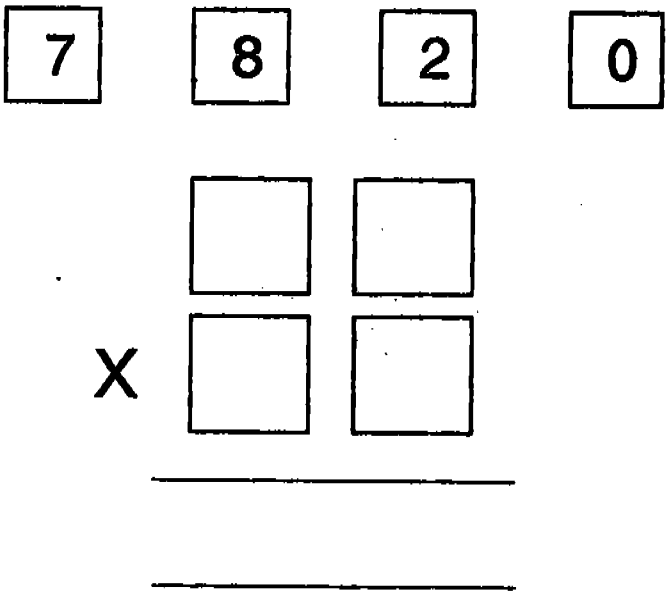
27. Arrange the fractions $\frac{2}{3}$, $\frac{5}{6}$, $\frac{1}{4}$ and $\frac{1}{2}$ in descending order.

Ans: _____ (2m)

28. Desmond is 60 years older than Felix. Desmond's age is 6 times Felix's age. How old is Felix?

Ans: _____ years old (2m)

29. Arrange these digits to form 2-digit numbers which will give the greatest possible product. Use each digit only once.



Ans: _____ and _____ (2 m)

30. A number is thrice the second number. The sum of these two numbers is 168. What is the smaller number?

Ans: _____ _____ (2m)

31. Tim's daily pocket money is $ 40. He spends $25 and saves the rest. How much will he save in a week?

Ans: $_____ (2m)

32. Answer the following questions.

(a) 6 280 000 ÷ 1 000 ☐ X 10

Fill in the answer in the box.

(b) Estimate the value of 8 9990X 10.

Ans: (a)_____ (1 m)

(b)_____ (1 m)

33. The number of biscuits in a tin is between 37 and 47. If Jane puts them into bags of 7 each, there will be a remainder of 5 biscuits. If she puts them into bags of 9 each, there will be a remainder of 4 biscuits. How many biscuits are there in the tin?

Ans: _____ (2m)

34. I am a five-digit number. The value of the digit in my thousands place is the smallest among my 5 digits. If 4 is added to the digit in my ten thousands place, you will get the digit in my tens place. If 4 is subtracted from the digit in my hundreds place, you will get the digit in my ones place. None of my digits are the same. All my digits are odd numbers. The digit in my ones place is 3. What number am I?

Ans: _____ (2m)

35. A teacher gave out 114 sweets to some children. Each 4 year-old child received 2 sweets and each 5 year-old child received 3 sweets. The 5 year-old children received 6 more sweets than the 4-year old children. How many 5 year-old children are there?

Ans: _____ (2m)

Section C (50 marks)
For questions 36 to 48, show your working clearly in the space below each question and write your answers in the spaces provided.
The marks for each question or part-question is shown in brackets ( ) at the end of each question.

36. A table and two chairs cost $131. A table cost $47 more than a chair. Find the cost of 1 table.

Ans: _____ (3m)

37. Basket Y contained 27 pears and basket Z contained 123 pears. How many pears from basket Z must be transferred to basket Y so that they have the same number of pears?

Ans : _____ (3m)

38. Razak spent $\frac{3}{8}$ of his money on food and $\frac{1}{6}$ of it on transport. If he spent $39 altogether, how much money did he have at first?

Ans: _____ (3m)

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39. Mrs Lim keeps 18 goats and ducks altogether in her farm. If there are 48 legs altogether, how many goats and ducks does Mrs Lim have?

Ans : _____ goats _____ ducks (3m)

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40. Winnie's father is 3 times as old as Winnie. He is 51 years old now. What will their total age be in 18 years' time?

Ans : _____(3m)

41. Amy, Betty and Caren have $93 altogether. Betty has $7 more than Amy. Caren has twice as much money as Betty. How much money do Amy and Betty have altogether?

Ans : _____(3m)

42. There are 5 ascending consecutive numbers. The sum of the last 3 numbers is 81. What is the sum of the 5 numbers?

Ans : _____ (4m)

43. Siti has some $2 and $5 notes. The total value of all the notes is $48. There are 3 more $2 notes than $5 notes. How many $5 notes does Siti have?

Ans : _____ (4m)

44. A straight fence has 13 pillars which are spaced out equally. If the distance between two pillars is 500 cm and the width of each pillar is 10cm, find the length of the fence.

Ans : _____(4m)

45. Wendy has twice as many sweets as Amanda. Cheryl has twice as many sweets as Wendy. The three girls have 399 sweets altogether. In order for all the girls to have the same number of sweets,

(a) how many sweets must Cheryl give to Wendy?

(b) how many sweets must Cheryl give to Amanda?

Ans : (a)_____ (3 marks)

(b)_____ (2 marks)

46. A box with 80 erasers has a mass of 3 970 g. The same box with 30 erasers has a mass of 1 720 g. Each eraser has the same mass.

(a) Find the mass of the box.

(b) Find the mass of 100 erasers in kilograms and grams.

Ans : (a) _____ (3m)

(b) _____ (2m)

47. The total mass of Raju, Sam and Tom is 172 kg. Raju is 10 kg heavier than Sam. Tom is 6 kg heavier than Sam.

(a) Find the mass of Tom.

(b) If Raju loses 12 kg, find his new mass.

Ans : (a) _____(3m)

(b) _____(2m)

48. Damien bought 6 books, 3 pens and a file for $85. 1 pen and 1 book cost $15. 1 book and 1 file cost $18. What was the cost of the file?

Ans : _____ (5m)

End of Paper

Please check your work carefully.

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SA 1

Rosyth Primary School

Primary 5 Maths SA1 Exam (2005)

[redacted]

Answer Sheets

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

16. 12
17. 20
18. 3000
19. $\frac{19}{30}$
20. 108
21. 3
22. 12
23. 879
24. 146
25. 3000
26. $\frac{17}{40}$
27. $\frac{5}{6}, \frac{2}{3}, \frac{1}{2}, \frac{1}{4}$
28. 12
29. 80 72
30. 42
31. 105
32. a) 628 b) 90000
33. 40 biscuits
34. 51793
35. 20 5 years old children
36. $75
37. 48 pears
38. $72
39. 6 goats 12 ducks
40. 104 years old
41. $43
42. 130
43. 6 $5 notes
44. 6130cm
45. a) 19 sweets b) 76 sweets
46. a) 370g b) 4kg 500g
47. a) 58kg b) 50kg
48. $7