



**Rosyth School**  
**First Semestral Assessment 2012**  
**Primary 5 Mathematics**

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

Register No. \_\_\_\_\_

Class: Pr 5 - \_\_\_\_\_

Date: 10 May 2012

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

Total Time for Booklets A and B : 50 minutes

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**PAPER 1**  
**(Booklet A)**

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. Shade your answers in the Optical Answer Sheet (OAS) provided.
4. You are **not** allowed to use a calculator
5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet A)	20	-

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 oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(20 marks)

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1. In 3 679 340, what is the value of the digit 7?

- (1) 70
- (2) 7 000
- (3) 70 000
- (4) 700 000

2. What is the value of  $6.4 \div 200$ ?

- (1) 0.0032
- (2) 0.032
- (3) 0.32
- (4) 3.2

3. The price of an apartment became \$453 000 when rounded off to the nearest \$1 000. Which of the following is not a possible price of the apartment?

- (1) \$452 499
- (2) \$452 699
- (3) \$453 299
- (4) \$453 499

4. Mrs Lee had  $6\frac{2}{5}$  kg of flour. She used  $1\frac{1}{2}$  kg of flour to bake some pies. How much flour had she left?

- (1)  $4\frac{1}{3}$  kg
- (2)  $5\frac{1}{3}$  kg
- (3)  $5\frac{9}{10}$  kg
- (4)  $4\frac{9}{10}$  kg

5. Rick wanted to cycle from his home to the park. After cycling  $7\frac{1}{6}$  km, he still had  $3\frac{2}{3}$  km left. What was the distance between his home and the park?
- (1)  $10\frac{1}{3}$  km
- (2)  $10\frac{5}{6}$  km
- (3)  $3\frac{1}{2}$  km
- (4)  $4\frac{1}{3}$  km
6. Sally had 10 pink ribbons, 4 green ribbons and 16 blue ribbons. Find the ratio of the number of green ribbons to the total number of ribbons.
- (1) 1 : 3
- (2) 2 : 15
- (3) 7 : 15
- (4) 8 : 15
7. The number of roses to the number of orchids is 5 : 7. If there are 84 roses and orchids altogether, how many roses are there?
- (1) 12
- (2) 24
- (3) 35
- (4) 49
8. The number of boys to the number of girls in an art class is 8 : 5. If there are 15 more boys than girls, how many children are there in the art class?
- (1) 40
- (2) 45
- (3) 65
- (4) 195

9. Azari paid \$11.20, \$13.55 and \$9 for 3 books.  
What was the average cost of each book?
- (1) \$ 8.55
  - (2) \$ 11.25
  - (3) \$ 33.75
  - (4) \$ 38.25
10. Amanda bought 3.4 kg of biscuits. She gave some to Ramlah and shared the remaining biscuits equally with her sister. If her sister received 980 g of biscuits, how much biscuits did she give to Ramlah?
- (1) 1.44 kg
  - (2) 1.96 kg
  - (3) 2.42 kg
  - (4) 6.8 kg
11. Ken's mass was  $\frac{1}{4}$  of Raju's mass. Raju's mass was  $\frac{4}{5}$  of Mingli's mass. What was the ratio of Ken's mass to Mingli's mass to the total mass of the three boys?
- (1) 1 : 4 : 5
  - (2) 1 : 4 : 10
  - (3) 1 : 5 : 9
  - (4) 1 : 5 : 10
12.  $\frac{1}{3}$  of May Ling's height is equal to  $\frac{2}{7}$  of Shamini's height.  
What is the ratio of May Ling's height to Shamini's height?
- (1) 1 : 2
  - (2) 7 : 3
  - (3) 6 : 7
  - (4) 6 : 13

13. Sam had a piece of rope  $3\frac{1}{2}$  m long. He cut it into smaller pieces of  $\frac{1}{4}$  m each.  
How many such pieces did he have?

- (1) 8
- (2) 12
- (3) 14
- (4) 4

14. Kai Ming had  $4\frac{3}{4}$  l of water in a bottle. He drank half of it.  
What was the amount of water left?

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

15. The ratio of the number of senior citizens to the number of adults to the number of children at an outdoor concert is  $2 : 4 : 5$ . There are 90 more children than senior citizens. How many adults and children are there?

- (1) 60
- (2) 120
- (3) 270
- (4) 330



**Rosyth School**  
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**Primary 5 Mathematics**

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Register No. \_\_\_\_\_

Class: Pr 5 - \_\_\_\_\_

Date: 10 May 2012

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

Total Time for Booklets A and B : 50 minutes

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**PAPER 1**  
**(Booklet B)**

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. You are **not** allowed to use a calculator
4. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet B)	20	

\* This booklet consists of 5 pages (excluding this cover page)

Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

Do not write  
in this space

- 
16. Write the following in numerals:  
nine million, ninety thousand and three.

Ans: \_\_\_\_\_

- 
17. Find the value of  $100 - 12 \div (81 - 77) \times 3$ .

Ans: \_\_\_\_\_

- 
18. Express 40 minutes as a fraction of two hours.  
Give your answer in its simplest form.

Ans: \_\_\_\_\_

- 
19. The number of apples to the number of mangoes is 5 : 3.  
What fraction of the fruits are mangoes?

Ans: \_\_\_\_\_

20.  $49 : 63 : 14 = 7 : \boxed{A} : \boxed{B}$   
What are the values of A and B?

Do not write  
in this space

Ans: A: \_\_\_\_\_

B: \_\_\_\_\_

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21. The total capacity of 8 bottles is 16 128 ml.  
What is the capacity of each bottle in litres?

Ans: \_\_\_\_\_ litres

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22. There are 42 pupils in a class. 28 of them are girls.  
What is the ratio of the total number of pupils to the number of boys?  
Give your answer in its simplest form.

Ans: \_\_\_\_\_

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23. Joel and his sister shared some money in the ratio of 5 : 7. Joel had \$320.  
How much did his sister have?

Ans: \$ \_\_\_\_\_



24. Muthu has \$5 more than Sally and \$10 more than Raju. They have a total of \$114. How much does Raju have?

Do not write  
in this space

Ans: \$ \_\_\_\_\_

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25. Tom and Jerry have \$360 altogether. The amount of money Tom has is four times the amount of money Jerry has. How much does Jerry have?

Ans: \$ \_\_\_\_\_

Questions 26 to 30 carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

Do not write in this space

- 
26. Five teams compete in a captain ball competition.  
The teams are A, B, C, D, and E.  
Each team will play against every other team only once.  
How many matches are there?

Ans: \_\_\_\_\_

- 
27. Marilyn paid \$140 for an equal number of files and notebooks.  
Each file cost \$9. Each notebook cost \$2 more than a file.  
Find the total number of files and notebooks Marilyn bought.

Ans: \_\_\_\_\_

28. Mary packed  $\frac{1}{4}$  of the beads into small packets of 15 beads each.  
There were 42 packets, how many beads did Mary have altogether?

Ans: \_\_\_\_\_

Do not write  
in this space

29. There were 20 hamsters, 18 puppies and 15 kittens in a pet shop.

Half of the hamsters and  $\frac{1}{3}$  of the puppies were sold.

What fraction of the animals left were kittens?

Give your answer in the simplest form.

Ans: \_\_\_\_\_

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30. Kumar's parents gave him \$50 for his pocket money every week. In each week, he spent  $\frac{1}{10}$  of the money on transport,  $\frac{3}{5}$  of it on food and saved the rest. How much money did he save in 2 weeks?

Ans: \$ \_\_\_\_\_

End of Paper 1



Rosyth School  
First Semestral Assessment 2012  
Primary 5 Standard Mathematics

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

Register No. \_\_\_\_\_

Class: Pr 5 - \_\_\_\_\_

Date: 10 May 2012

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

Time: 1 h 40 min

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PAPER 2

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. Show your workings clearly as marks are awarded for correct working.
4. Write your answers in this booklet.
5. You are allowed to use a calculator
6. Answer all questions.

Questions	Maximum Mark	Marks Obtained
Q 1 to 5	10	
Q 6 to 18	50	

Section	Maximum Mark	Marks Obtained
Paper 1	40	
Paper 2	60	
Total	100	

\* This booklet consists of 12 pages (excluding this cover page)

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write  
in this space

(10 marks)

- 
1. What is the missing number in the box?

$$2176 \div 8 = \square \times 8 + 8$$

Ans: \_\_\_\_\_

- 
2. The ratio of Krishna's marbles to Greyson's marbles is 4 : 3. Krishna gives half of his share to Greyson. What is the new ratio of Krishna's marbles to Greyson's marbles? Give your answer in the simplest form.

Ans: \_\_\_\_\_

- 
3. Mrs Jeya wants to buy 10 cupcakes but she is short of \$7. If she buys 6 cupcakes, she will have \$14 left. How much does each cupcake cost?

Ans: \$ \_\_\_\_\_

4. Mrs Lye gave her son some money on Monday. After that, she gave him \$3 more each day than she did the day before. By Friday of that week, she had given her son a total of \$105. How much did she give her son on Tuesday?

Do not write  
in this spaces

Ans: \$ \_\_\_\_\_

5. Halim read  $\frac{1}{5}$  of a book on Thursday. From Friday onwards, he read 12 pages every day for the rest of the book. He finished reading the book on the following Wednesday. How many pages were there in the book?

Ans: \_\_\_\_\_

Questions 6 to 18, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.



Do not write in this space

(50 marks)

6. Kim spilled some ink on her result slip as shown below. Her average mark for the 3 subjects was 82.

(a) What was the total mark for Mathematics and Science?

(b) The average mark including Mother Tongue was 78. What was her mark for Mother Tongue?

Subject	Marks
English	65
Mathematics	
Science	

Ans: a) \_\_\_\_\_ [1m]

b) \_\_\_\_\_ [2m]

7. Leela spent \$517.50 on 3 shirts and 2 blouses. Each shirt cost \$15.50 more than a blouse. How much more did she spend on the shirts than the blouses?

Ans: \_\_\_\_\_ [3m]

8. Sockalingam, Rosli and Ah Beng shared a pack of stickers in the ratio 9 : 7 : 3. The total number of stickers Sockalingam and Rosli have is 65 more than Ah Beng's share. Find the total number of stickers shared by the 3 boys.

Do not write  
in this page

Ans: \_\_\_\_\_ [3m]

- 
9. Minah bought 12 pieces of cloth to make cushion covers.  
Each piece of cloth was  $1\frac{1}{6}$  m long.
- (a) What was the total length of cloth she bought?  
(b) One metre of cloth cost \$8, how much did she pay for all the cloth?

Ans: (a) \_\_\_\_\_ [1]

(b) \_\_\_\_\_ [2]



10. Mr Teo gave  $\frac{1}{5}$  of his money to Jon and  $\frac{5}{12}$  of the money to Liling. Then, he deposited the rest of the money equally into 2 bank accounts. He had deposited \$736 into each bank account, how much money did Mr Teo have at first?

Do not write  
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Ans: \_\_\_\_\_ [3m]

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11. For every watch sold, Mr Tan received \$60 from his company and for every 12 watches sold, he received an additional \$120. How much did he receive altogether if he had sold 83 watches altogether?

Ans: \_\_\_\_\_ [3m].

12. The average mass of 7 pupils is 38 kg. When Muthu's and Gek Choo's mass are included, the average mass of the pupils becomes 41 kg. If Muthu is 19 kg lighter than Gek Choo, what is Gek Choo's mass?

Do not write  
in this space

Ans: \_\_\_\_\_ [4m]

13. Uncle Frank placed 34 potted plants in a row from one end to the other end of the corridor. They were placed at an equal distance of 0.7 m away from one another. Later, Uncle Frank changed his mind and removed 18 potted plants. As a result, the remaining potted plants were rearranged from one end to the other end of the corridor at a new equal spacing. What was the new distance between the 2 potted plants?

Do not write  
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Ans: \_\_\_\_\_ [4m]

14. Mary had 161 buttons. After she used  $\frac{3}{5}$  of the red buttons and  $\frac{1}{4}$  of the blue buttons, she was left with the same number of red and blue buttons. How many buttons did she use?

Do not write  
in this space  
Do not write

Ans: \_\_\_\_\_ [4m]

15. 3 children traded cards with one another.

At first, Eliza had more cards than Farhan and Michelle had 2 times as many cards as Farhan. After Farhan bought another 33 cards, Michelle lost half of what she had and Eliza lost 14 cards, Farhan now had 6 more cards than Eliza. In the end, the children had a total of 150 cards. How many cards did each child have at first?

Do not write  
in this space

Ans: Farhan: \_\_\_\_\_  
Eliza: \_\_\_\_\_ } [5m]  
Michelle: \_\_\_\_\_ }

16. Mrs Tan had some cupcakes. She packed  $\frac{3}{4}$  of the cupcakes into boxes.

Each box contained 4 cupcakes. She then packed  $\frac{3}{5}$  of the remaining cupcakes into containers of 6 cupcakes each. In the end, she had 16 cupcakes left.

- (a) Find the total number of boxes and containers she used to pack the cupcakes.  
(b) If she sold each box of cupcakes for \$10 and each container of cupcakes for \$12, how much did she earn after selling all these boxes and containers?

Do not write  
in this space

Ans: (a) \_\_\_\_\_ [3m]

(b) \_\_\_\_\_ [2m]

17. Mrs Bala bought some paper folders for her pupils.  $\frac{2}{7}$  of them were yellow,  $\frac{4}{7}$  were pink and the rest were blue. She gave  $\frac{2}{3}$  of the yellow paper folders to the boys and  $\frac{1}{3}$  of the pink paper folders to the girls. She had 208 paper folders left.

(a) How many paper folders did she give to the boys?

(b) Mrs Bala paid \$ 0.90 for each paper folder. How much did she pay for all the paper folders?

Do not write  
in this space

Ans: (a) \_\_\_\_\_ [3m]

(b) \_\_\_\_\_ [2m]

18. The cost of 6 identical chairs, 5 identical lamps and 1 table is \$380.

The cost of 2 such chairs and 1 table is \$188, while 1 chair and 1 lamp cost \$44.

(a) What is the <sup>total</sup> cost of 1 chair and 1 table?

(b) What is the total cost of 1 table, 1 lamp and 1 chair?

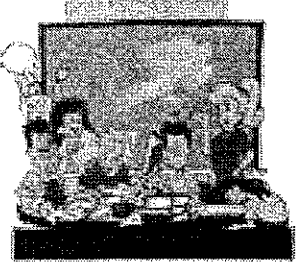
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Answer: (a) \_\_\_\_\_ [2m]

(b) \_\_\_\_\_ [3m]

End of Paper





# ExamSutra 考试圣经

## Answer Sheets

### EXAM PAPER 2012

SCHOOL : ROSYTH  
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : SA1

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

16) 9090003

17)  $100 - 12 \div 4 \times 3$

$100 - 3 \times 3$

$100 - 9 = 91$

18)  $40/120 = 1/3$

19)  $3/8$

20) A: 9

B: 2

21) 2.016 L

22)  $42 - 28 = 14$  boys

$42 : 14$

$6 : 2$

$3 : 1$

23)  $5u \rightarrow \$320$

$1u \rightarrow \$320 \div 5 = \$64$

$\$64 \times 7 = \$448$

24)  $5 \times 3 = 15$

$114 - 15 = 99$

$99 \div 3 = \$33$

25)  $5u \rightarrow \$360$

$1u \rightarrow \$360 \div 5 = \$72$

26)  $4 + 3 = 7$

$7 + 2 = 9$

$9 + 1 = 10$

27)  $9 + 2 = 11$

$11 + 9 = 20$

$140 \div 20 = 7$

$7 + 7 = 14$

28)  $1u \rightarrow 15 \times 42 = 630$

$4u \rightarrow 630 \times 4 = 2520$

29) remaining

$10 : 12 : 15 = 15/37$

30)  $1u \rightarrow 50 \div 10 = 5$

$1 + 6 = 7$

$7u \rightarrow 5 \times 7 = 35$

1 week saved  $\rightarrow 50 - 35 = 15$

$15 \times 2 = \$30$

Paper 2

1)  $2176 \div 8 = 272$

$272 - 8 = 264$

$264 \div 8 = 33$

2) K : G

4 : 3

2 : 5

3)  $14 + 7 = 21$

$10 - 6 = 4$

$21 \div 4 = \$5.25$

4)  $3 \times 10 = 30$

$105 - 30 = 75$

$75 \div 5 = 15$

$15 \times 3 = \$18$

5)  $10 \rightarrow 72 \div 4 = 18$

$72 + 18 = 90$

6) a)  $82 \times 3 = 246$

$246 - 65 = 181$

b)  $78 \times 4 = 312$

$312 - 246 = 66$

7)  $471 \div 5 = 94.2$

$3s \rightarrow (3 \times 94.20) + 46.50$   
 $= 329.10$

$2B \rightarrow 2 \times 94.2 = 188.4$

$329.10 - 188.40 = \$140.70$

8)  $16 - 3 = 13$

$65 \div 13 = 5$

$19 \times 5 = 95$

9) a)  $1\frac{1}{6} \times 12 = 14m$

b)  $14 \times 8 = \$112$

10)  $1 - \frac{1}{5} - \frac{5}{12} = \frac{23}{60}$

$\frac{23}{60} \rightarrow 736 \times 2 = 1472$

$\frac{1}{60} \rightarrow 1472 \div 23 = 64$

$\frac{60}{60} \rightarrow 64 \times 60 = \$3840$

11)  $12 \times 6 = 72$   
 $83 - 72 = 11$   
 $840 \times 6 = 5040$   
 $5040 + 660 = \$5700$

12)  $38 \times 7 = 266$   
 $41 \times 9 = 369$   
 $369 - 266 = 103$   
 $103 - 19 = 84$   
 $84 \div 2 = 42$   
 $G \rightarrow 42 + 19 = 61\text{kg}$

13)  $34 - 1 = 33$   
Total m  $\rightarrow 33 \times 0.7 = 23.1$   
 $34 - 18 = 16$   
 $16 - 1 = 15$   
 $23.1 \div 15 = 1.54\text{m}$

14)  $5/5 - 3/5 = 2/5$   
 $4/4 - 1/4 = 3/4$   
 $3/4$  of b  $\rightarrow 2/5$  of R  
 $6/8$  of b  $\rightarrow 6/15$  of R

Total  $\rightarrow 15 + 8 = 23$   
1u  $\rightarrow 161 \div 23 = 7$   
 $2 + 9 = 11$   
 $7 \times 11 = 77$  buttons

15)  $3u + 27 + 27 + 6 = 150$   
 $3u = 150 - 60 = 90$   
1u  $\rightarrow 90 \div 3 = 30$   
F  $\rightarrow 30$   
E  $\rightarrow 71$   
M  $\rightarrow 60$

16) a) 1u  $\rightarrow 16 \div 2 = 8$   
Box  $\rightarrow 8 \times 15 = 120$   
 $120 \div 4 = 30$   
Con  $\rightarrow 8 \times 3 = 24$   
 $24 \div 6 = 4$   
 $30 + 4 = 34$

16) b) box  $\rightarrow 10 \times 30 = 300$   
Con  $\rightarrow 12 \times 4 = 48$   
 $300 + 48 = \$348$

17) a) 64  
b)  $21/21 \rightarrow 16 \times 21 = 336$   
 $336 \times 0.9 = \$302.40$

18) a) \$160  
b) \$176

