



Rosyth School
Second Continual Assessment 2013
Primary 5 Mathematics

Name: _____ Register No. _____

Class: Pr 5 - _____

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

Total Time for Booklets A and B : 50 minutes

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	

* This booklet consists of 6 pages (including this cover page)

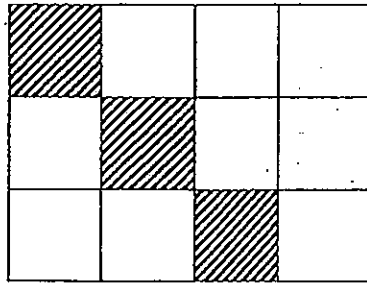
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Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(20 marks)

-
1. Which of the following number has the digit 3 in the ten thousands place?
- (1) 219 537
 - (2) 302 781
 - (3) 832 600
 - (4) 993 492
2. What is the sum of 7 tenths and 70 thousandths?
- (1) 0.707
 - (2) 0.77
 - (3) 770
 - (4) 70 070
3. 650 000 is _____ hundreds less than 1 million.
- (1) 350
 - (2) 3 500
 - (3) 35 000
 - (4) 350 000
4. The total mass of 2 dictionaries and a notebook is 1 350 g.
The notebook is 56 g. What is the average mass of the dictionaries?
- (1) 450 g
 - (2) 647 g
 - (3) 675 g
 - (4) 1 294 g

5. How many more squares must be shaded so that the figure is $\frac{1}{3}$ shaded?



- (1) 1
(2) 5
(3) 6
(4) 4
6. What is the value of $4\frac{1}{2} \times \frac{1}{3}$?
- (1) $\frac{1}{6}$
(2) $1\frac{1}{3}$
(3) $1\frac{1}{2}$
(4) $4\frac{1}{6}$
7. 94 children took part in a competition. 50 of them were boys.
What is the ratio of the number of girls to the number of boys?
- (1) 22 : 25
(2) 25 : 22
(3) 22 : 47
(4) 47 : 22

8. $\frac{3}{5}$ of the participants in a marathon are men. What percentage of the participants are women?
- (1) 0.4 %
 - (2) 0.6 %
 - (3) 40 %
 - (4) 60%
9. Express 0.9 % as a fraction.
- (1) $\frac{9}{10}$
 - (2) $\frac{9}{100}$
 - (3) $\frac{9}{1000}$
 - (4) $\frac{9}{10000}$
10. There are 10 apples, 50 oranges and 20 pears. What percentage of the fruits are pears?
- (1) 12.5 %
 - (2) 16 %
 - (3) 25 %
 - (4) 62.5 %
11. The ratio of the number of cars to motorcycles in a carpark is 4 : 1. After 18 cars left, the ratio became 5 : 2. How many cars were there at first?
- (1) 6
 - (2) 24
 - (3) 30
 - (4) 48

12. The table shows the scores of 120 participants in a competition.

Score	0-10	11-20	21-30	31-40	41-50
No. of participants	6	24	60	27	3

Only 25 % of the participants are eligible to move on to the next stage. What is the minimum score a participant needs to obtain to continue in the competition?

- (1) 11
(2) 20
(3) 21
(4) 31
13. In a class of 30, $\frac{3}{5}$ are boys. $\frac{2}{3}$ of the girls are present. How many girls are absent?
- (1) 8
(2) 2
(3) 10
(4) 4
14. Helen took 3 days to sew 2 dresses. What is the minimum number of weeks she needs to take to sew 34 such dresses?
- (1) 8
(2) 12
(3) 51
(4) 102

15. Mr. Jamal bought 123 balloons for his class. He gave 4 balloons to each boy and 3 balloons to each girl. There were 8 more boys than girls in his class. What is the number of boys in his class?

(1) 13

(2) 21

(3) 26

(4) 34

Please proceed to Booklet B



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Name: _____ Register No. _____

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Total Time for Booklets A and B : 50 minutes

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 6 pages (including this cover page)

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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)

16. Find the value of $48.28 \div 8$.

Ans: _____

17. Find the value of $25 + 6 \div 2 - (3 \times 7)$.

Ans: _____

18. What is the value of $3\frac{1}{6} - 1\frac{1}{4}$? Give your answer in the simplest form.

Ans: _____

19. Express 1.08 as a percentage.

Ans: _____

20. The ratio of the number of red marbles to green marbles to white marbles is $3 : 5 : 1$. If there are 96 red and white marbles, how many green marbles are there?

Ans: _____

21. Kai and Lea donated a sum of money to a charity in the ratio of $8 : 5$. Kai donated \$24 more than Lea. What is the total amount they donated?

Ans: \$ _____

22. A rope was 50 m long. 12 m of it was used. What percentage of the rope was left?

Ans: _____ %

23. Express 36 minutes as a percentage of 2 hours.

Ans: _____ %

24. Sarah paid \$112 for a bag that was sold at a discount of 30 %. What was the price of the bag before the discount?

Ans: \$ _____

25. Ally, Ben and Candace collected a total of 96 seashells.
Ally and Ben together collected 61 seashells.
Ally and Candace together collected 47 seashells.
How many seashells did Ally collect?

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)

26. Farhana is 9 years older than her brother. What is her brother's age if their total age is 27?

Ans: _____

27. 3 pears cost as much as 5 apples. Each apple costs 30 cents. How many pears can you get with \$14?

Ans: \$ _____

4 girls shared 3 chocolate bars equally. 3 boys shared 5 chocolate bars equally. What is the sum of 1 girl's and 1 boy's share?

Leave your answer in the simplest form.

Ans: _____

29. 420 children attended a concert. $\frac{4}{9}$ of the girls is equal to $\frac{1}{3}$ of the boys.
How many more boys than girls watched the concert?

Ans: _____

30. Owen had a sum of money. He gave 20 % of the money to his sister and spent 25 % of the remaining on a book. He had \$48 left. What was the sum of money Owen had at first?

Ans: \$ _____

End of Paper



Rosyth School
Second Continual Assessment 2013
Primary 5 Mathematics

Name: _____ Register No. _____

Class: Pr 5-_____

Date: 27 August 2013 Parent's Signature: _____

Time: 1 h 40 min

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 17 pages (including this cover page)**

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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. A photograph album has 48 pages and contains exactly 4 photographs on each page. If the photographs were re-arranged to contain 6 photographs on each page instead, what is the number of pages that would be empty?

Ans: _____

2. The ratio of Alice's money to Bernice's money was 4 : 5. The ratio of Alice's money to Clarice's money was 3 : 4. If Clarice has \$64, how much money does Bernice have?

Ans: \$ _____

3. The average mass of Jim and Kim is 62.6kg. Kim is 4.8kg lighter than Jim. What is Jim's mass?



Do not write in this space

Ans: _____ kg

4. There were 580 people in a theatre. $\frac{3}{5}$ of them were adults and the rest were children. The ratio of the number of boys to the number of girls was 3 : 5. How many girls were there in the theatre?

Ans: _____

5. Jason had \$20. He gave 40% of it to his sister and 25% of the remainder to his brother. How much money did Jason give to his brother?

Do not write
in this space

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.

(50 marks)

6. The ratio of the number of boys to the number of girls in a school hall was 3 : 5 at first. After $\frac{1}{4}$ of the boys left the hall, there were 174 pupils remaining in the hall. How many pupils were in the hall at first?

Ans: _____ [3m]

7. The average number of oranges in five boxes was 77. After two more boxes of oranges are added, the new average becomes 83. What is the average number of oranges of the two additional boxes?

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Ans: _____ [3m]

Do not w
in this sp

8. Mdm Azizah went shopping with \$850. She used $\frac{1}{4}$ of the money to buy a dress and $\frac{3}{5}$ of the remainder to buy a handbag. She also bought a pair of shoes. If she had \$161.25 left, how much money did she spend on the pair of shoes?

Ans: _____ [3m]

9. James had some stamps. He gave 15% of it away to Ken and 40% of the remainder to Leon. If he had 255 stamps left, how many did he have at first?

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in this space

Ans: _____ [3m]

Do not write
in this space

10. A train left Station A with some passengers. When it reached Station B, 7 passengers boarded and 2 passengers alighted. At Station C, 12 passengers boarded and 9 passengers alighted. At Station D, 15 passengers boarded and 8 passengers got off. At Station E, all 24 passengers alighted from the train. How many passengers were in the train when it left Station A?

Ans: _____ [3m]

11. Shane received a monthly allowance of \$120 in January. His father increased it by 20% in February. February's monthly allowance was then increased by 30% in March after Shane asked for more. What was the monthly allowance in March?

Do not write in this space

Ans: _____ [3m]

12. The ratio of the number of 20-cent coins to 50-cent coins in a jar was 7 : 2. After Ashwin added 51 20-cent coins and 51 50-cent coins to the jar, the ratio of the number of 20-cent coins to 50-cent coins in a jar became 9 : 5. What was the total value of the 50-cent coins in the jar at first?

Do not write
in this space

Ans: _____ [4m]

13. The total cost of 10 apples and 8 pears is \$9.80. The total cost of 7 apples and 3 pears is \$5.30. What is the total cost of 6 apples and 7 pears?

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in this space

Ans: _____ [4m] ○

Do not w
in this sp

14. ⁷ There were $\frac{3}{4}$ as many local stamps as foreign stamps in a box. After 66 local stamps were removed and replaced with the same number of foreign stamps, the ratio of local stamps to foreign stamps became 1 : 2. How many local stamps were there in the box at first?

Ans: _____ [4m]

15. A farmer keeps chickens, ducks and geese on his farm. There are $\frac{2}{7}$ as many ducks as geese. There are 104 more chickens than geese. The total number of ducks and chickens is 5 times the number of geese. What is the total number of chickens, ducks and geese on the farm?

Do not write in this space

Ans: _____ [5m]

16. Alex, Ben and Cid shared a sum of \$467.50. Alex received $\frac{3}{8}$ of the total amount of money received by Ben and Cid. Ben received $\frac{7}{10}$ of the amount of money received by Cid. How much money did Cid receive?

Do not write
in this space

Ans: _____ [5m]

Do not write
in this space

17. Liming bought a bag of blue marbles and a bag of green marbles. $\frac{1}{6}$ of the blue marbles was equal to $\frac{3}{8}$ of the green marbles. When 48 green marbles were removed, there were 9 times as many blue marbles as green marbles. What was the total number of green and blue marbles in the bags at first?

Ans: _____ [5m]

18. During a stationary sale, pens were sold at 30% discount. Raju wanted to buy 13 pens but was short of \$5.65. After his sister lent him \$2.50, he had enough to buy exactly 10 pens.

- (a) What was the usual price of the pen?
- (b) How much money did Raju have at first?

Do not write
in this space

Ans: (a) _____ [3m]
(b) _____ [2m]

End of Paper



ANSWER SHEET

EXAM PAPER 2013

SCHOOL : ROSYTH PRIMARY SCHOOL

LEVEL : PRIMARY 5

SUBJECT : MATHS

TERM : CA2

Booklet A

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

16. 6.035

17. 7

18. $1\frac{11}{12}$

19. 108.1

20. 120

21. 104

22. 76%

23. 30%

24. 160

25. 12

26. 9

27. 28

28. $2\frac{5}{12}$

29. 60

30. 80

PAPER TWO:

1. $48 \times 4 = 192$

$192 \div 6 = 32$

$48 - 32 = 16$

2. A:B:C

$$(4:5) \times 3$$

$$(3: :4) \times 4$$

$$=12:15:16$$

$$1U=64 \div 16=4$$

$$15U=4 \times 15=60$$

3. BOTH OF THEM= 62.6=125.2

$$125.2-4.8=120.4$$

$$K=120.4/2=60.2$$

$$J=60.2+4.8=65$$

4. $580/5=116$

$$116/4=29$$

$$\text{GIRLS}=29 \times 5=145$$

5. $J=20$

$$\text{SISTER}=40\% \times 20=8$$

$$20-8=12$$

$$25\% \times 12=3$$

6. $174/(20+9)=6$

$$12+20=32$$

$$32 \times 6=192$$

7. $\text{NEW}=83 \times 7=581$

$$\text{BEFORE}=77 \times 5=385$$

$$\text{DIFFERENT}=581-385=196$$

$$\text{ONE}=196 \div 2=98$$

8. $850/4=212.50$

$$850-212.5=637.50$$

$$637.50 \div 5=127.5$$

$$\text{REMAINDER}=5-3=2$$

$$127.5 \times 2=255$$

$$\text{SHOE}=255-161.25=93.75$$

9. $40\% \times 85\%=34\%$

$$60\% \times 85\%=51\%$$

$$(51\% \div 1\%)=51$$

$$255/51= 5$$
$$5 \times 100=500$$

10. $E=24$

$$D=24+8-15=17$$

$$C=17+9-12=14$$

$$B=14+2-7=9$$

11. $130\% \times 144=187.20$

$$30\% \times 144=43.20$$

$$144+43.2=187.20$$

12. DIFFERENCE= $7-2=5$
 $=28-8=20$

$$(9:5:4) \times 5=45:25:20$$

$$51/(25-8)=3$$

$$8 \times 3=24$$

$$24 \times 0.5=12$$

13. $(10A+8P=9.80) \times 3$

$$30A+24P=29.40$$

$$(7A+3P=5.30) \times 8$$

$$56A+24P=42.40$$

$$50-30A=42.40-29.40$$

$$26A=13$$

$$A=0.5$$

$$6A=0.5 \times 6=3$$

$$10A=5$$

$$5+8P=9.8$$

$$8P=4.80$$

$$P=0.06$$

$$7P=0.06 \times 7=4.20$$

$$6A+7P=3+4.2$$

$$=7.2$$

14. BEFORE:

L:F

3:4

9:12

After

L:F

1:2
7:14

14-12=2
2u ---- 66
1u --- 33
9u --- 297

15. G --- 7u
D----2u
C----7u +104
D+C ---- 9u +104

35u --- 9u +104
26u ---- 104
1u ---- 4

Total = $16 \times 4 + 104 = 168$

16. A:B+C
3: 8
51:136

B:C
7:10
36:80

1u --- $467.50 \div 187 = 2.50$
80u ----- 200

17. $1/6 = 3/18$

8-2 = 6u
6u --- 48
1u --- 8

18+8 = 26u
26u --- 208

18. $5.65 - 2.50 = 3.15$
3p --- 3.15
1p --- 1.05

$$1.05 + 0.30 = 1.35$$

$$1.05 \times 10 = 10.50$$

$$10.50 - 2.50 = 8$$

