



NANYANG PRIMARY SCHOOL  
FIRST SEMESTRAL EXAMINATION  
2008

PRIMARY 5  
MATHEMATICS  
PAPER 1

DURATION: 50 MINUTES

Booklet A	/ 20	Paper 1 Total: / 40
Booklet B	/ 20	

Name: \_\_\_\_\_ (      )

Class: Primary 5 (      )

Date: 8 May 2008

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

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

YOU ARE NOT ALLOWED TO USE A CALCULATOR.

**PAPER 1 (BOOKLET A)**

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 Write 5 900 234 in words.

- (1) Five hundred thousand, nine hundred, twenty three and four
- (2) Five hundred thousand, nine hundred thousand, two hundred and thirty-four
- (3) Five million, nine hundred thousand, two hundred and thirty-four
- (4) Five million, nine hundred thousand, twenty-three and four

2 A bottle contained  $8\frac{1}{13}$  l of milk. It is poured and shared equally among 5 people. How many litres of milk did each person get?

- (1)  $\frac{5}{13}$  l
- (2)  $\frac{8}{13}$  l
- (3)  $\frac{5}{8}$  l
- (4)  $1\frac{3}{5}$  l

3 Express 7.56 as a fraction.

(1)  $\frac{14}{25}$

(2)  $\frac{189}{250}$

(3)  $7\frac{14}{25}$

(4)  $7\frac{7}{129}$

4 Which of the following is **not** an equivalent ratio of 4 : 13?

(1) 12 : 39

(2) 24 : 78

(3) 28 : 91

(4) 32 : 84

5 What is the value of  $\frac{11}{2} \times \frac{4}{5}$ ?

(1)  $\frac{8}{55}$

(2)  $2\frac{1}{7}$

(3)  $4\frac{2}{5}$

(4)  $6\frac{7}{8}$

6 What is the missing number in the box?

$$6\frac{3}{4} = 3\frac{5}{12} + \boxed{?} - 1\frac{1}{12}$$

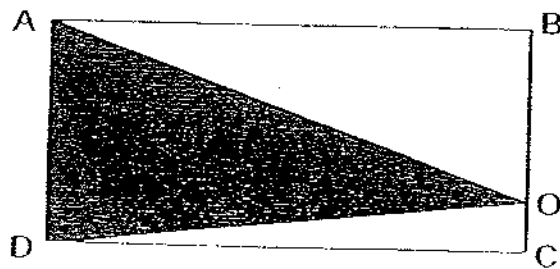
(1)  $2\frac{1}{4}$

(2)  $4\frac{5}{12}$

(3)  $9\frac{1}{12}$

(4)  $11\frac{1}{4}$

7 ABCD is a rectangle with length 7 cm and breadth 5 cm. The length of AO is 9.5 cm and BO is 4 cm. What is the base and height of the shaded triangle respectively.



(1) 4 cm and 9.5 cm

(2) 4 cm and 7 cm

(3) 5 cm and 9.5 cm

(4) 5 cm and 7 cm



10 Find the value of  $66 \div 18 \div 2 - 3 \times 2$ .

(1) 36

(2) 69

(3) 78

(4) 144

11 Chu Gin drank  $\frac{3}{10}$  l of water from his water bottle and poured away

$\frac{1}{4}$  l of water. What was the fraction of the amount of water left in Chu

Gin's water bottle?

(1)  $\frac{1}{20}$  l

(2)  $\frac{9}{20}$  l

(3)  $\frac{11}{20}$  l

(4)  $\frac{19}{20}$  l

- 12 A tin contained  $\frac{2}{5}$  kg of biscuits. Mr Rahman packed all the biscuits equally into 8 bags. What was the amount of biscuits in each bag?

(1)  $\frac{1}{20}$  kg

(2)  $3\frac{1}{5}$  kg

(3)  $8\frac{2}{5}$  kg

(4) 20 kg

- 13 The area of a rectangle is ~~9~~  $9\text{ m}^2$ . Its breadth is  $\frac{3}{4}$  m. What is the perimeter of the rectangle?

(1) 4 m

(2)  $4\frac{3}{4}$  m

(3)  $8\frac{3}{4}$  m

(4)  $9\frac{1}{2}$  m

14 Basket A had 45 eggs. There were 25 less eggs in basket A than basket B. What was the ratio of the number of eggs in Basket B to Basket A?

(1) 4 : 9

(2) 9 : 4

(3) 9 : 14

(4) 14 : 9

15 Susan went shopping and bought a skirt and a blouse. The ratio of the price of the skirt to the blouse is 9 : 5. She paid \$36 more for the skirt than the blouse. How much did the blouse cost?

(1) \$20

(2) \$45

(3) \$36

(4) \$81

Name: \_\_\_\_\_ (            ) Class: Pr 5 (            )

P5 SA1 2008

**PAPER 1 (BOOKLET B)**

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 What is the value of 19 500 : 300?

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

17 Round off the sum of 27 533 and 3125 to the nearest thousand.

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

18 What is the missing number in the box below?

$$3 : 7 : 9 = 51 : \boxed{?} : 153$$

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

- 19 David and John go for a walk every morning. John walks  $2\frac{1}{6}$  km. David walks  $1\frac{2}{3}$  km less than John. What is the distance that David walks every morning? Express your answer as a fraction in its simplest form.

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

- 20 Valerie bought  $\frac{5}{8}$  kg of grapes.  $\frac{2}{5}$  of these grapes were rotten and the rest were fresh. What was the mass of the fresh grapes? Express your answer as a fraction in its simplest form.

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

- 21 David used  $8\frac{2}{5}$  cm of ribbon to tie one bookmark. What was the total length of ribbon needed for 10 such bookmarks?

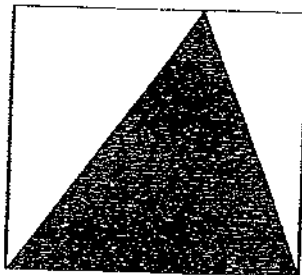
Ans: \_\_\_\_\_ cm

22 Find the value of  $510 \div (158 + 142) \div 3 - 300$ .

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

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23 The figure below is made up of a square with sides 10 cm. Find the area of the shaded part.



Ans: \_\_\_\_\_ cm<sup>2</sup>

- 24 The ratio of the cost of a pair of shoes to the cost of a belt was 3 : 2. Hiro paid \$160 for a pair of shoes and a belt. How much did he have to pay for the belt?

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

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- 25 Julie had 55 sweets and chocolates in a tin. There were 15 more sweets than chocolates. What was the ratio of the number of sweets to the number of chocolates? Express your answer in its simplest form.

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

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Questions 26 to 30 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.

(10 marks)

- 26 Use the digits below to form the **largest possible 6-digit even number** which is 700 000 when rounded off to the nearest hundred thousand.

1	2	3	4	5	-	6
---	---	---	---	---	---	---

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

- 27 A wall was 10 m high. A snail crawled  $3\frac{1}{9}$  m up the wall. How many more metres must the snail crawl to reach the top of the wall? Express your answer correct to 2 decimal places.

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

28 Sam had 20 balloons. Tom had twice as many balloons as Sam.

Jimmy had  $\frac{3}{4}$  of what Tom had. How many balloons did Jimmy have?

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

29 The ratio of the number of books that Maria has to the number of books Brenda has is 8 : 3. If Maria has 56 books, find the difference in the number of books between the girls?

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

- 30 Pail A and Pail B were placed underneath 2 separate taps. Pail A collected 3 l of water every minute while Pail B collected 5 l every minute. The tap for Pail B was turned on 2 minutes after the tap for Pail A. How many minutes would Pail B take to collect the same amount of water as Pail A?

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

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END OF PAPER



NANYANG PRIMARY SCHOOL  
FIRST SEMESTRAL EXAMINATION  
2008

PRIMARY 5  
MATHEMATICS  
PAPER 2

DURATION: 1 HOUR 40 MINUTES

Paper 2 Total	/ 60
GRAND TOTAL	/ 100

Name: \_\_\_\_\_ (       )

Class: Primary 5 (       )

Date: 8 May 2008

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

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## PAPER 2

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.

(10 marks)

- 
- 1 Jack had 48 marbles. He gave  $\frac{1}{2}$  of his marbles to his brother and lost  $\frac{1}{4}$  of it. How many marbles were left?

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

- 
- 2 Hui Hui needed  $6\frac{2}{3}$  kg of flour to bake a cake. She had  $3\frac{1}{2}$  kg of flour. How many more kilogrammes of flour did she have to buy to bake 2 cakes? Express your answer as a fraction in its simplest form.

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

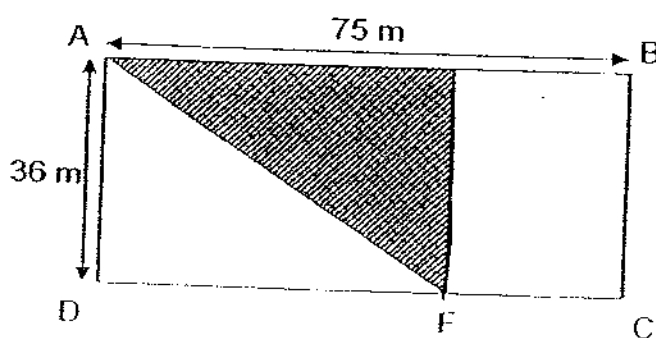
- 
- 3 The ratio of 2 whole numbers is 2 : 15. The bigger number lies between 98 and 108. What is the smaller number?

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

- 4 Hanida cycles  $8\frac{1}{3}$  km to work everyday. Jane cycles  $\frac{2}{7}$  of that distance to work everyday. What is the difference in distance they have to cycle to work everyday? Express your answer as a fraction in its simplest form.

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

- 5 ABCD is a rectangle. The length of AB is 75 m and the length AD is 36 m. The length of DF is twice the length of FC, find the area of the shaded part.



Ans: \_\_\_\_\_ m<sup>2</sup>

For 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)

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6 Judy bought 12 packets of sweets from a store. There were 24 sweets in each packet. She gave 32 sweets to her mother and packed the rest into packets of 4.

(a) How many sweets did she buy?

(b) How many packets of sweets did she have in the end?

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

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

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7 Devi had 181 stamps. She kept 37 of them and distributed the remaining stamps equally between Hui Ling and Ann. If Ann had 29 stamps at first, how many stamps did she have in the end?

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

- 8 Lawrence had  $2\frac{2}{3}$  kg of sugar. He packed them equally into 4 bags. After 2 bags of sugar were sold, he repacked the remaining sugar equally into 12 packets. What was the mass of the sugar in each packet?

Ans: ..... [3]

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- 9 The ratio of the amount of fruit juice consumed by a family in June to the amount of fruit juice consumed in July was 4 : 7. The family consumed 60 l of fruit juice in June. How much did the family have to pay for the 2 months if the fruit juice was charged at \$2.50 a litre?

Ans: ..... [3]

- 10 The ratio of the number of stamps Willie had to the number of stamps Fred had was 5 : 11. After Fred gave 25 stamps to Willie, the ratio of the number of stamps Willie had to the number of stamps Fred had became 5 : 3. How many stamps did Fred have in the end?

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

11 In a storeroom, there are 62 red hula-hoops, 118 blue hula-hoops and some green hula-hoops. The number of green hula-hoops is  $\frac{1}{4}$  of the total number of hula-hoops.

(a) How many hula-hoops are there?

(b) The storeman bought 15 new green hula-hoops. What fraction of the hula-hoops were green at last?

ANS: (a) \_\_\_\_\_ [2]

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

12 Adrian had some nails. He used  $\frac{1}{3}$  of the nails to fix the drawers and  $\frac{2}{3}$  of the remaining nails to make 3 boxes. He used 42 nails altogether to fix the drawers and make the boxes.

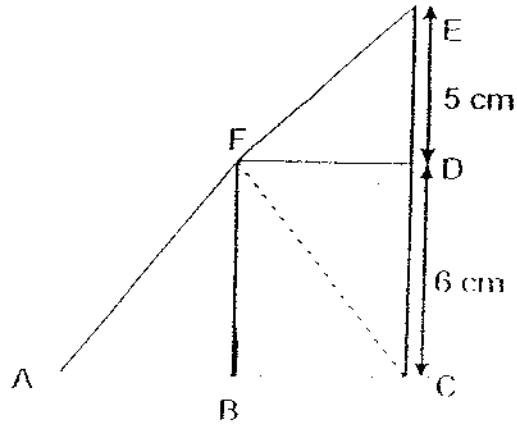
(a) What fraction of the number of nails did he use?

(b) How many nails did he use to make one box?

Ans: (a) \_\_\_\_\_ [2]

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

- 13 In the figure below, ACDF is made up of 3 identical triangles and it had an area of  $36 \text{ cm}^2$ . Find the area of ACEF.



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

14 Julian had  $\boxed{1.5}$  l of orange syrup. He wanted to make 24 l of orange juice drink for a party. He had to mix orange syrup with plain water in the ratio of 1 : 5.

(a) How much more orange syrup did he need?

(b) To make the orange juice drink sweeter, Julian added 2 more litres of orange syrup to the original 24 l orange juice drink. Find the new ratio of the amount of orange syrup with the amount of plain water.

Ans: (a) \_\_\_\_\_ [2]

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

- 15 Alice, Ben, Charlotte and Daniel were asked to stand in a straight row. If Alice was not allowed to stand next to Daniel and Ben must not be the first in line, how many ways were there to arrange the children?

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

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16 Robert bought a total of 80 tables and chairs for \$1780. When 20 chairs were given away, there were an equal number of tables and chairs left.

(a) How many chairs did Robert buy?

(b) If each table costs \$6 more than each chair, find the cost of each chair.

Ans: (a) \_\_\_\_\_ [2]

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

17 A delivery company earned \$10 for each hamper delivered on time and \$4 for hampers delivered late. In January, the company collected a total of \$11 400. For every 17 hampers delivered, 3 were delivered late and 14 were delivered on time.

(a) What was the total number of hampers delivered on time in January?

(b) How much less money did the company earn in January due to the late delivery of hampers?

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

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

- 18 Judy brought some dollar notes to change for coins in a bank. She needed 20-cent coins and 50-cent coins in the ratio of 4 : 1. She changed \$40 in 20-cent coins. What was the amount of money Judy brought to the bank?

Ans: \_\_\_\_\_ [5]

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END OF PAPER

Setters: Miss Mavis Tan  
Mr Mohammad

# ANSWER SHEET

EXAM PAPER 2008

SCHOOL : NANYANG PRIMARY SCHOOL

SUBJECT : PRIMARY 5 MATHEMATICS

TERM : SA 1

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

16)65

17)31000

18)119

19) $\frac{1}{2}$ km

20)3  
8 kg

21)8.4cm

22)110

23)50cm<sup>2</sup>

24)\$64

25)7:4

26)654312

27)6.89m

28)30

29)35

30)3 min

## Paper 2

1)12

2) $9\frac{5}{6}$ kg

3)14

4) $5\frac{20}{21}$

5)900m<sup>2</sup>

6)a)12x24=288sweets

b)288-32=256

256÷4=64packets

7)181-37=144

144÷2=72

72+29=101

8) $2\frac{2}{3} \div 4 = \frac{2}{3}$

$\frac{2}{3} + \frac{2}{3} = \frac{4}{3}$

$\frac{4}{3} \div 12 = \frac{1}{9}$ kg

9)  $(60 \div 4) \times 7 = 105$   
 $(105 \times 2.50) + (60 \times 2.50) = \$412.50$

10) 30 stamps

11) a) 240 hula-hoops  
b) 5/17

12) a) 7/9  
b) 8 nails

13) 46 cm<sup>2</sup>

14) a) 2.50 L  
b) 3:10

15) 10 ways

16) a) 50 chairs  
b) \$20

17) a) 1050  
b) \$1350

18) \$65