



NANYANG PRIMARY SCHOOL
SECOND CONTINUAL 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: 21 August 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)

1 The average length of ribbon used to tie a present is 75 cm. How many metres of ribbon were used to tie 30 such presents?

(1) 2.15

(2) 2.25

(3) 21.5

(4) 22.5

2 What is the value of $180 \div 10 \times 2 + 75 \div 3$?

(1) 4

(2) 34

(3) 61

(4) 486

- 3 Celine bought $2\frac{1}{6}$ kg of flour and Nicole bought $4\frac{3}{4}$ kg of flour. They used $1\frac{3}{8}$ kg of flour in total to make some tarts. How many kilograms of flour were left?

(1) $1\frac{5}{24}$

(2) $1\frac{13}{24}$

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

(4) $5\frac{13}{24}$

- 4 Samuel had $\frac{3}{4}$ kg of charcoal. He used $\frac{2}{5}$ of it to roast satay. How many kilograms of charcoal were **not** used?

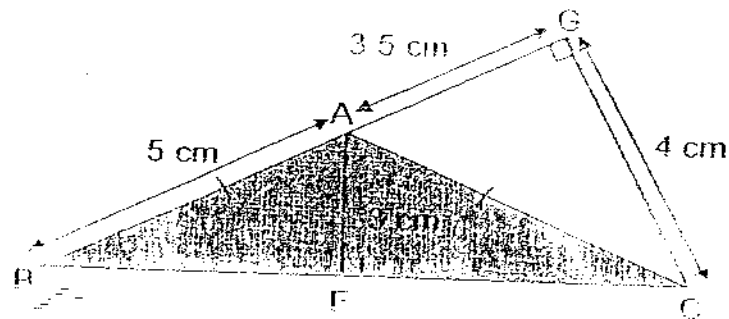
(1) $\frac{1}{5}$

(2) $\frac{3}{10}$

(3) $\frac{7}{20}$

(4) $\frac{9}{20}$

- 5 The figure below is not drawn to scale. Triangle ABC is an isosceles triangle. $AB = 5\text{ cm}$, $AG = 3.5\text{ cm}$, $GC = 4\text{ cm}$ and $AE = 3\text{ cm}$



Find the area of the shaded part

- (1) 7.5 cm^2
 - (2) 10 cm^2
 - (3) 17 cm^2
 - (4) 25 cm^2
- 6 Hassan has 16 stamps. There are 12 Singapore stamps and the rest are China stamps. What is the ratio of the number of Singapore stamps to the number of China stamps?

- (1) 1 : 3
- (2) 3 : 1
- (3) 3 : 4
- (4) 4 : 3

- 7 The ratio of the number of adults to the number of girls to the number of boys who attended an exhibition is 1 : 1 : 2. There were 108 children in the exhibition hall. How many adults were there?
- (1) 27
- (2) 36
- (3) 81
- (4) 144
- 8 Tom filled a big container completely by pouring water from 100 identical bottles. The bottles were filled completely with water. The capacity of the container was 33.5 l. What was the capacity of each bottle?
- (1) 0.0335 l
- (2) 0.335 l
- (3) 3.35 l
- (4) 3350 l
- 9 Find the sum of 65.89 and 50.46.
Round off your answer to 1 decimal place.
- (1) 115.3
- (2) 116.0
- (3) 116.3
- (4) 116.4

10 A box contains 20 similar writing pads weigh 580 g. What is the mass of the box if each writing pad weighs 15 g?

(1) 880 kg

(2) 280 kg

(3) 0.28 kg

(4) 0.028 kg

11 The table below shows the score of 4 pupils in a Mathematics test.

Name	Test score
Joseph	85
Luke	80
Mohammad	70
Sally	73

Who has a score that is closest to the average test score of the 4 pupils?

(1) Luke

(2) Sally

(3) Joseph

(4) Muhammad

0

- 12 Tom, Dick and Harry donated a total of \$1500 to a charity organisation. Dick donated \$48 more than Tom. Harry donated twice as much money as the total sum donated by Tom and Dick. How much money did Tom donate to the charity organisation?

- (1) \$210
- (2) \$226
- (3) \$484
- (4) \$450

- 13 The mass of 5 pupils in a class is shown in the table below.

Name	Mass (kg)
Ali	32.5
Bee Cheong	45
Charles	55
Don	?
Eileen	30.5

If the average mass of the pupils is 40.5 kg, what is Don's mass?

- (1) 24.5 kg
- (2) 30 kg
- (3) 39.5 kg
- (4) 49.5 kg

14 Sue needed to walk 1.5 km to go to her school. She had walked 255 m. What percentage of her journey to school had she not covered?

(1) 17%

(2) 25.5%

(3) 83%

(4) 89.7%

15 There were mangoes, apples and oranges in a fruit stall, of which 30% were mangoes. The ratio of the number of apples to the number of oranges was 2 : 5. There were 84 more oranges than apples. How many mangoes and apples were there altogether?

(1) 140

(2) 196

(3) 224

(4) 280

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 missing number in the following number pattern?

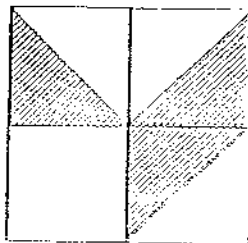
5 30 _____ 1080 6180

Ans: _____

17 The price of a plasma television set is \$ 3515. Round off the price of the plasma television set to the nearest thousand dollars.

Ans: \$ _____

18 Study the figure below.



What percentage of the figure is shaded?

Ans: _____ %

19 Express $\frac{6}{125}$ as a decimal.

Ans: _____

20 What is the product of $\frac{3}{4}$ and $\frac{2}{9}$?

(Give your answer in its simplest form.)

Ans: _____

21 Express 12, 28, 36 in its simplest form.

Ans: _____

22 Pei Ling packed $\frac{3}{4}$ kg of rice into 9 bags. What was the mass of rice in each bag? (Give your answer in fraction in its simplest form.)

Ans: _____ kg

- 23 The ratio of Ernie's age to his brother's age is 2 : 3. If Ernie is 10 years old now, how old was his brother 3 years ago?

Ans: _____

- 24 What is the value of $30.8 \div 3 + 6 = 7.047$?
Round off your answer to 2 decimal places.

Ans: _____

- 25 The table below shows a calendar in the month of September.

September						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

What percentage of the total number of days in September was circled?

Ans: _____ %

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 Plant A is $\frac{1}{2}$ m tall. Plant B is $\frac{1}{3}$ m taller than Plant A. What is the total height of the two plants? Round off your answer to 1 decimal place.

Ans: _____ m

-
- 27 Jack read $\frac{1}{5}$ of a book on Friday and $\frac{1}{4}$ of the remaining on Saturday. He read twice as many pages on Sunday as on Saturday. What fraction of the book was not read?

Ans: _____

- 28 The ratio of the cost of a bag to the cost of a suitcase was 1 : 9. The bag cost \$90. What was the average cost of the bag and the suitcase?

Ans: \$ _____

- 29 The ratio of Thomas' total marks to Kendric's total marks in the mid-year examination was 4 : 5. Thomas' mark increased by 50% in the final year examination. How many percent must Kendric's mark be increased so that their total marks would be equal in the final year examination?

Ans: _____ %

- 30 Mr Ho bought 5 chairs and 3 tables for \$81. A table cost \$5 more than a chair. What was the cost of a table?

Ans: \$ _____

END OF PAPER



NANYANG PRIMARY SCHOOL
SECOND CONTINUAL EXAMINATION
2008

PRIMARY 5
MATHEMATICS

PAPER 2

DURATION: 1 HOUR 40 MINUTES

Paper 2 Total	/ 60
GRAND TOTAL	/ 100

Name: _____ ()

Class: Primary 5 ()

Date: 21 August 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 Ms Tan spent 6 hours in school each day. She spent $\frac{2}{3}$ of the time counselling her pupils. How many minutes did she spend on counselling in a day?

Ans: _____ min

-
- 2 The ratio of the number of shirts to the number dresses is 2 : 7. The ratio of the number of shirts to the number of pants is 3 : 4. What is the ratio of the number of shirts to the number of dresses to the number of pants?

Ans: _____

- 3 A bank paid a fixed 0.75% savings interest per year. Warren saved \$158,000 in the bank. Find the interest earned after a year.

Ans: \$ _____

- 4 The total cost of 9 files and 6 writing pads was \$24.30. A file and a writing pad cost \$3. Mary bought 5 files and 2 writing pads. What was the minimum amount of money Mary needed to pay for the items? Round off your answer to the nearest dollar.

Ans: \$ _____

- 5 The total amount of water in a tank and a pail is 630 l. If 52.7 l of water are transferred from the pail to the tank, the amount of water in the tank will be eight times the amount of water in the pail. How many more millilitres of water were there in the tank than the pail at first?

Ans: _____ ml

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)

-
- 6 Mr Ting had \$53 160. He gave $\frac{3}{8}$ of his money to his son and $\frac{1}{10}$ of his money to his daughter. The rest was divided equally among his 3 grandchildren. How much did each of his grandchildren get?

Ans: _____ [3]

- 7 Dixon and Edward had some marbles in the ratio 9 : 5. Dixon gave half of his marbles to Edward. Edward then had 70 marbles more than Dixon. How many marbles must Edward give back to Dixon such that they will have the same number of marbles in the end?

Ans: _____ [3]

- 8 The total amount of water in bottles A, B and C was 200 ml. After Jamie poured away half of the water from bottle A, doubled the amount of water in bottle B and added 30 ml of water into bottle C, the ratio of the amount of water in bottle A to B to C was 3 : 2 : 1. Find the total amount of water in the 3 bottles in the end.

Ans: _____ [3]

- 9 A laptop cost \$5840. Mr Ong bought it at a discount of 20%. In addition, he had to pay an additional 7% GST on the discounted price. How much did he pay for the laptop in total?

Ans: _____ [3]

- 10 Use all the digits shown in the box below **once only** to form the smallest six-digit odd number that is greater than 300 000. Round off the answer to the nearest 1000.

0, 8, 4, 6, 2, 3

Ans: _____ [3]

11 Some children are playing a card game. If each child gets 7 cards, there will be 3 cards left. If each child gets 8 cards, there will be a shortage of 4 cards

(a) How many children are playing the card game?

(b) How many cards are there altogether?

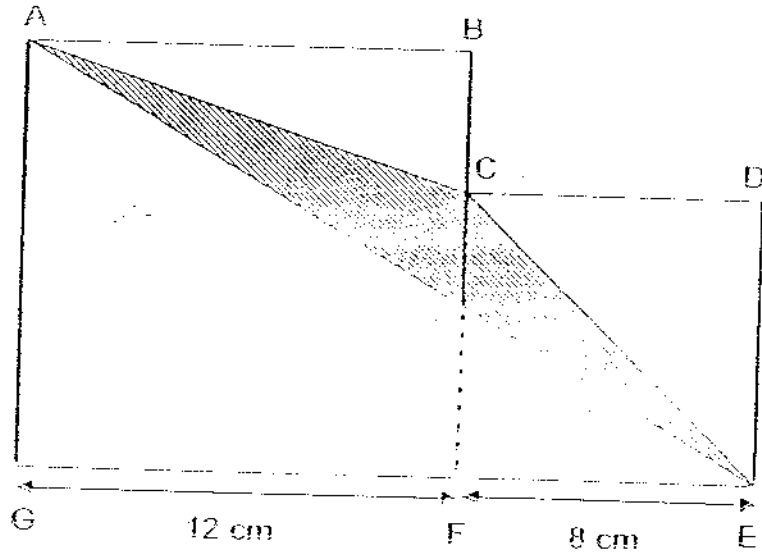
Ans: (a) _____ [2]

(b) _____ [1]

- 12 There were 400 pupils in the Science Centre. $\frac{5}{8}$ of them were boys. Some boys then left the Science Centre. The remaining number of boys was then $\frac{3}{5}$ of the total number of pupils left at the Science Centre. How many boys left the Science Centre?

Ans: _____ [4]

- 13 The figure below is made up of two squares. The length of Square CDEF is 8 cm and the length of Square ABFG is 12 cm. Find the area of the shaded part.



Ans: _____ [4]

14 Aminah, Jumali and Grace settled their lunch bill which cost \$97.50 altogether. Aminah paid thrice as much as Grace and Jumali paid twice as much as Aminah.

(a) How much did Jumali pay?

(b) If three of them were to share the cost equally, how much money should Aminah return to Jumali?

Ans: (a) _____ [2]

(b) _____ [2]

15 In a second-hand bookstore, $\frac{3}{4}$ of the books are story books. 40% of the remainder books are textbooks and the rest are comic books. There are 360 more comic books than textbooks.

(a) Express the number of comic books as a fraction of the total number of books in the bookstore.

(b) How many more story books than comic books are there?

Ans: (a) [1]

(b) [4]

16 The breadth of a rectangular cardboard is 15% of its perimeter. The length of the cardboard is 76 cm longer than its breadth.

- (a) What is the area of the cardboard?
- (b) How many squares of sides 3 cm can be cut out from the cardboard?

Ans: (a) _____ [3]

(b) _____ [2]

17 Susan and Jane shared some stickers in the ratio of 5 : 7 .After they gave away 117 stickers each, the ratio of Susan's stickers to Jane's stickers was then 1 : 4

(a) Find the number of stickers that Jane had at first.

(b) If Susan gave away another 12 stickers, how many stickers would she have left?

Ans: (a) _____ [3]

(b) _____ [2]

- 18 The table below shows the rates of charges for water consumption in a month.

Amount of Water Used	Charges per unit (cents)
First 40 units	117
Above 40 units	140

Loke Che used 52 units of water. He paid the water bill in cash and received one 50-dollar note, one 10-dollar note and some 50-cent and 20-cent coins from the cashier. The ratio of the number of 50-cent coins to the number of 20-cent coins is 1 : 2. How many 20-cent coins did he receive from the cashier?

Ans: (a) _____ [3]

(b) _____ [2] 5]

END OF PAPER

Settlers: Ms Mavis Tan
Mr Yap Heng Yeow

ANSWER SHEET

EXAM PAPER 2008

SCHOOL : DANVAIRI PRIMARY SCHOOL

SUBJECT : PRIMARY 5 MATHEMATICS

TERM : 1ST

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

16)180 17)\$4000 18)37.5% 19)0.048

20)1/6 21)3:7:9 22)1/12kg 23)12

24)8.09 25)20% 26)1.3m 27)1/5

28)\$450 29)20% 30)\$13.25

Paper 2

1)240min 2)6:21:8 3)\$1185 4)\$12

5)384600 6)\$9303 7)35 8)240ml

9)\$4999.04 10)403000 11)a)7 b)52 12)25

13)32cm² 14)a)\$58.50 b)\$3.25 15)a)3/20 b)6120

16)a)7581 b)836 17)a)189 b)6 18)8