



NAN HUA PRIMARY SCHOOL  
CONTINUAL ASSESSMENT 1 – 2012  
PRIMARY 5

MATHEMATICS

Paper 1

Section A: 15 Multiple Choice Questions ( 20 marks )

Section B: 15 Short Answer Questions ( 20 marks )

Total Time for Paper 1: 50 minutes

INSTRUCTION TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided for Questions 1-15.
6. You are not allowed to use calculator for Paper 1.

Marks Obtained

Paper 1	Booklet A		/ 40
	Booklet B		
Paper 2			/ 60
Total			/ 100

Name : \_\_\_\_\_ (       )

Class : 5 \_\_\_\_\_

Date : 28 Feb 2012

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



**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. Mark your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. In 1 234 567, which digit is in the hundred thousands place?

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

2. What is the value of the digit '4' in 543 613?

- (1) 400
- (2) 40 000
- (3) 400 000
- (4) 4 000 000

3. What is nine million and nine in numerals?

- (1) 900 009
- (2) 900 090
- (3) 9 000 009
- (4) 9 000 090

4. Mr Tan's salary was \$2500 when rounded off to the nearest hundred. What was the largest possible amount he could earn?

- (1) \$2 450
- (2) \$2 499
- (3) \$2 549
- (4) \$2 599

5. Round off the sum of 10 450 and 540 to the nearest hundred.

- (1) 11 000
- (2) 10 900
- (3) 9 900
- (4) 9 000

6. Which of the following is not divisible by 3?

- (1) 384
- (2) 456
- (3) 673
- (4) 822

7. 80 000 stickers are shared equally among 200 pupils. How many stickers does each pupil get?

- (1) 40
- (2) 60
- (3) 400
- (4) 600

8. The product of 3 numbers is 210.  
Which of the following is not the possible set of numbers?

- (1) 5, 6, 7
- (2) 3, 5, 14
- (3) 3, 7, 10
- (4) 2, 6, 20

9. How many eighths are there in  $3\frac{1}{4}$ ?

- (1) 13
- (2) 14
- (3) 25
- (4) 26

10. Which of the following is greater than  $\frac{4}{7}$ ?

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

11. What is the value of  $1 - 2 + 3 - 4 + 5 - \dots - 47 + 48 + 49$ ?

- (1) 0
- (2) 25
- (3) 50
- (4) 125

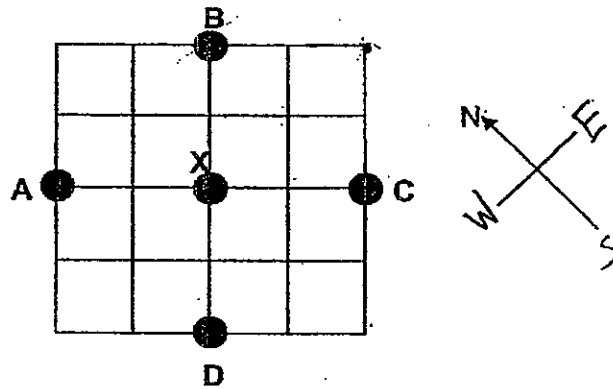
12. Find the largest difference between a 3-digit number and a 2-digit number

- (1) 890
- (2) 900
- (3) 989
- (4) 998

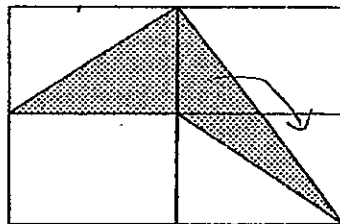
13. What is the maximum number of rulers Ken can buy with \$13 if each ruler costs \$0.30?

- (1) 39
- (2) 40
- (3) 43
- (4) 44

14. John is standing at X facing east.  
If he makes a  $135^\circ$  anticlockwise turn, where would he be facing?



- (1) A  
(2) B  
(3) C  
(4) D
15. The figure below is made up of 4 rectangles.  
What fraction of the figure is shaded?



- (1)  $\frac{1}{4}$   
(2)  $\frac{2}{5}$   
(3)  $\frac{3}{8}$   
(4)  $\frac{4}{9}$

**Section B (10 marks)**

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.

16. What is the last digit in the answer of  $12 \times 98$ ?

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

17.  $38 - 32 \div 2 + 3 \times 6 = \square$

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

18. The table below shows a record of the number of books a class of 40 pupils read in a week.

<b>Number of books read</b>	0	1	2	3	4
<b>Number of pupils</b>	5	10	16	6	3

How many pupils read at least 2 books in that week?

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



19. Arrange the following fractions from the smallest to the greatest.

$$\frac{2}{3}, \frac{3}{5}, \frac{5}{6}$$

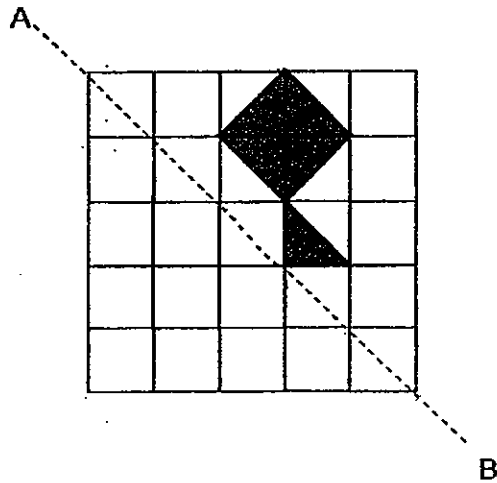
Ans : \_\_\_\_\_

20. What is the sum of  $2\frac{5}{8}$  and  $\frac{3}{5}$  ?

Give your answer in the simplest form.

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

21. Line AB is a line of symmetry. Shade the correct shapes in the grid below to make a symmetric pattern.



22. What is the quotient when 1089 is divided by 7?

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

23. Express  $1\frac{3}{8}$  as a decimal.

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

24. Judy left for work at 7.25 a.m. The journey to her office took 1 h 45 min.  
At what time did she reach her office?

Ans : \_\_\_\_\_ a.m.

25. Steve opens his Mathematics textbook and multiplies the 2 page numbers that are facing each other. The product is 156. What is the sum of the 2 page numbers?

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



28. Study the pattern below.

$$\frac{1}{2} - \frac{1}{3} = \frac{1}{6}$$

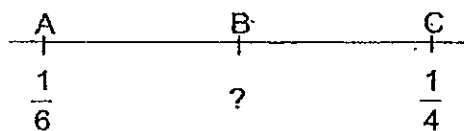
$$\frac{1}{3} - \frac{1}{4} = \frac{1}{12}$$

$$\frac{1}{4} - \frac{1}{5} = \frac{1}{20}$$

What is the value of  $\frac{1}{49} - \frac{1}{50}$ ?

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

29. In the number line below,  $AB = BC$ .  
What fraction is represented by B?



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

30. I am a 4-digit even number.

None of my digits are the same.

My second digit is thrice my last digit.

My first digit is half of my second digit.

The sum of all my 4 digits is 19.

What number am I?

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

**END OF PAPER 1**



NAN HUA PRIMARY SCHOOL  
CONTINUAL ASSESSMENT 1 – 2012  
PRIMARY 5

MATHEMATICS

Paper 2

Total Time for Paper 2: 1 hour 40 minutes

5 Short Answer Questions (10 marks)

13 Structured / Long Answer Questions (50 marks)

INSTRUCTION TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully
4. Answer all questions and show your workings clearly.
5. You are allowed to use a calculator.

Marks Obtained

Total		/ 60
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Name : \_\_\_\_\_ ( )

Class : 5 \_\_\_\_\_

Date : 28 Feb 2012

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

Questions 1 to 5 carry 2 marks each. (10 marks)

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.

1. The area of a square is  $64 \text{ cm}^2$ . What is its perimeter?

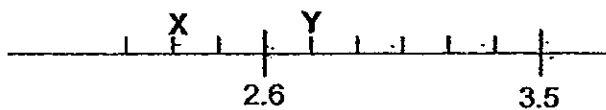
Ans : \_\_\_\_\_ cm

2.  $\frac{1}{5}$  of a certain number is 40. What is  $\frac{1}{4}$  of the number?

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

3. Study the number line below.

Find the difference between value X and value Y.



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



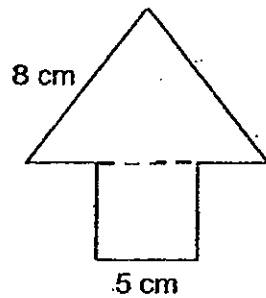


Do not  
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4. The length of a rectangular garden is thrice its breadth. 16 pupils are spaced out equally along the length of the garden such that there is a pupil standing at each end. If the distance from one pupil to the next pupil is 60 cm, find the breadth of the garden

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

5. The figure below is made up of a square and a triangle. The triangle has 3 equal sides. What is the perimeter of the figure?



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



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)

Do not  
write in  
this space

6. Jack wants to buy a bicycle but is short of \$44. Jill wants to buy the same bicycle but is short of \$37. If they combine their money, they will have just enough money to buy the bicycle. What is the cost of 2 such bicycles?

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

7. I think of a number which is less than 50. When the number is divided by 7, the remainder is 1. When the number is divided by 12, the remainder is 7. What is the number?

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



8. 5 kg of sugar and 6 kg of rice cost \$84.50.  
1 kg of sugar and 3 kg of rice cost \$38.50  
How much is 1 kg of sugar?

Do not  
write in  
this space

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

9. A ferry can carry either 15 lorries or 35 cars.  
If there are already 9 lorries on the ferry, how many more cars can the  
ferry carry?

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



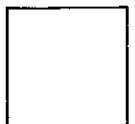
10. There are 135 pens in a box.  $\frac{2}{3}$  of them are red.  
 $\frac{2}{9}$  of them are green. The rest of the pens are blue.  
How many more red than blue pens are there?

Do not  
write in  
this spac

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

- 
11. There are some chickens and cows in a farm.  
In all, there are 20 heads and 56 legs.  
How many chickens are there?

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



12. Mrs Lee was paid \$3 for every bracelet sold. For every 8 bracelets sold, she was given a bonus of \$5. How much did she receive if she sold 138 bracelets?

Do not write in this space.

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

13. James had \$40 more than Ken. After James gave Ken \$60, Ken had twice as much as James. How much money did James have at first?

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



14. Mrs Tan is 32 years old. Her son is 5 years old.  
In how many years' time will she be 4 times as old as her son?

Do not  
write in  
this spac

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

- 
15. Tom and Harry had an equal amount of money at first.  
Every day, Tom spent \$25 and Harry spent \$18.  
When Tom had spent all his money, Harry still had \$490 left.  
How much did each of them have at first?

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



16. A total of 360 teachers and pupils participated in tree planting.  
Each teacher planted 3 trees and each group of 3 pupils planted 2 trees. If 520 trees were planted, how many pupils were there?

Do not  
write in  
this space.

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

- 
- 17 Mr Loh bought some calculators and watches for \$752.  
Each watch cost \$24 and each calculator cost \$16.  
He bought 8 more watches than calculators.  
How many calculators did he buy?

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



18. Mrs Gopal had 132 hens.  
She sold  $\frac{3}{4}$  of the hens and  $\frac{1}{3}$  of the ducks.  
She had a total of 81 hens and ducks left.

- (a) How many hens had she left?  
(b) How many ducks did she sell?

Do not  
write in  
this space.

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

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



End of Paper 2





# ExamSutra 考试圣经

## Answer Sheets

SCHOOL : NAN HUA  
 SUBJECT : PRIMARY 5 MATHEMATICS  
 TERM : CA1

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

16)6

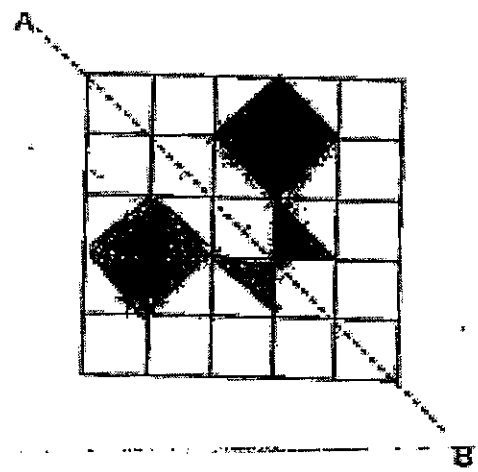
17)  $38 - 16 = 22$   
 $22 + 18 = 40$

18)  $16 + 6 + 3 = 25$

19)  $3/5, 2/3, 5/6$

20)  $25/8 + 3/5 = 225/40 + 24/40$   
 $= 249/40 = 39/20$

21)



22)  $1089 \div 7 = 155 \text{ R}4$

23)  $1375/1000 = 1.375$

24) 9.10am

25)  $12 + 13 = 25$

26)  $87 \div 8 = 10 \text{ R}7$   
 The number  $\rightarrow B$

27)  $1024 \div 2 = 512$   
 $9^{\text{th}} \text{ day} \rightarrow 512$   
 $512 \div 2 = 256$   
 $8^{\text{th}} \text{ day} \rightarrow 256$

28)  $49 \times 50 = 2450 (1/2450)$

29)  $5/24$

30) 3682

Paper 2

1)  $64\text{cm}^2 = 8 \times 8$

$8 \times 4 = 32\text{cm}$

2)  $40 \times 5 = 200$

$200 \div 4 = 50$

3)  $3.5 - 2.6 = 0.9$

$0.9 \div 6 = 0.15$

$0.15 \times 3 = 0.45$

4) 16 pupils  $\rightarrow$  15 divisions

Length  $\rightarrow 60 \times 15 = 900$

$900 \div 3 = 300\text{cm}$

5)  $8\text{cm} + 8\text{cm} + 3\text{cm} + 5\text{cm} + 5\text{cm}$

$+ 5\text{cm} = 34\text{cm}$

6)  $\$44 - \$37 = \$7$

$\$44 - \$7 = \$37$

$\$37 \times 2 = \$74$

$\$74 + \$7 = \$81$

$\$81 \times 2 = \$162$

7)  $43 \div 7 = 6 \text{ R}1$

$43 \div 12 = 3 \text{ R}7$

The number is 43

8)  $\$38.50 \times 2 = \$77$

$\$84.50 - \$77 = \$7.50$

$\$7.50 \div 3 = \$2.50$

9) 15 lor  $\rightarrow$  35 car

3 lor  $\rightarrow$  7 car

9 lor  $\rightarrow$  21 car

$35 - 21 = 14$

10)  $135 \div 9 = 15$

$15 \times 6 = 90$

$90 - 15 = 75$

11)  $20 \times 4 = 80$

$80 - 56 = 24$

~~$24 \div 2 = 12$~~

$12 \times 2 = 24$

$8 \times 4 = 32$

There are 12 chickens

12)  $8 \times \$3 = \$24$   
 $\$24 = \$5 = \$29$   
 $138 \div 8 = 17 \text{ R}2$   
 $\$3 \times \$2 = \$6$   
 $\$29 \times 17 = \$493$   
 $\$493 + 6 = \$499$

13)  $\$140 - \$60 = \$80$   
 $\$100 + \$60 = \$160$   
 $\$160 \div 2 = \$80$

James have \$140 at first

14) Mrs Tan : S      Con.difference  
           32        5                    27

(4        :    1        3) x 9  
   36        9        27

$36 - 32 = 4$

In 4 years time.

15)  $\$25 - \$18 = \$7$   
 $\$490 \div \$7 = 70$   
 $70 \times \$25 = \$1750$

16)

Guess	No.of Pupils	No.of trees planted	No.of teachers	No.of tress plants	Total no of trees pl	Check
1	210	$210 \div 3 = 70$ $70 \times 2 = 140$	150	$150 \times 3 = 450$	$450 + 140 = 590$	X
2	180	$180 \div 3 = 60$ $60 \times 2 = 120$	180	$180 \times 3 = 540$	$540 + 120 = 660$	X
3	240	$240 \div 3 = 80$ $80 \times 2 = 160$	120	$120 \times 3 = 360$	$360 + 160 = 520$	✓

There were 240 pupils.

17)  $8 \times 24 = 192$

$752 - 192 = 560$

$\$24 + \$16 = \$40$

$\$560 \div \$40 = 14$

18)a)  $132 \div 4 = 33$

b)  $81 - 33 = 48$

$48 \div 2 = 24$