

## NAN HUA PRIMARY SCHOOL CONTINUAL ASSESSMENT 1 – 2008 PRIMARY 6

#### **MATHEMATICS**

#### **BOOKLET A**

15 Multiple Choice Questions (20 marks)

Total Time for Booklets A and B: 2 hours 15 minutes

# INSTRUCTIONS 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.

#### Marks Obtained

	-		
Booklet A		×	/20
Booklet B			/80
Total			/100

Name:	(	)	
Class: P 6			••• · · ·
Date: 26 February 2008	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. Make your choice (1, 2, 3 or 4). Shade the correct oval on the Optical Answer Sheet.

- Find the value of  $30 \div 5 \div (20 6) \times 2$ . 1.
  - 14 (1)
  - 34 (2)
  - 40 (3)
  - (4) 43
- What fraction of 3 hours is 20 minutes? 2.
  - (1)
  - (2)
  - (3)
  - (4)
- is the same as
  - 42 (1)
  - (2) 4.2
  - 0.42 (3)
  - (4) 0.042

ļ

- 4. 1.5 = \_\_\_\_ ÷ 30
  - (1) 0.05
  - (2) 4.5
  - (3) 0.5
  - (4) 45
- 5. Brenda has the same number of \$5 notes and \$10 notes. Their total value is \$60. How many \$10 notes does Brenda have?
  - (1) 4
  - (2) 8
  - (3) 12
  - (4) 16
- 6.  $\frac{3}{5} =$  : 20
  - (1) 6
  - (2) 12
  - (3) 15
  - (4) 18
- 7. 4 hairclips cost \$9. How many such hairclips can you buy with \$108?
  - (1) 8
  - (2) 12
  - (3) 48
  - (4) 96

- 8. The ratio of Penny's pens to Yani's pens is 5 : 8. Yani has 6 pens more than Penny. How many pens do they have in all?
  - (1) 13
  - (2) 19
  - (3) 26
  - (4) 32
- 9. 25% of a triangle is shaded. Find the ratio of the total area of the triangle to the unshaded area of the triangle.
  - (1) 3:4
  - (2) 4:3
  - **(3**) 1:3
  - (4) 3:1
- 10. The 2 rectangles below are identical in size. Each of them is divided into equal parts. What fraction of the 2 rectangles is shaded?



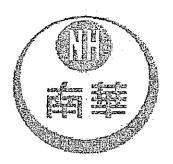
- $(1) \frac{4}{9}$
- (2)  $\frac{4}{5}$
- $(3) \frac{17}{40}$
- $(4) \frac{5}{18}$

- 11. There are 40 pupils in Primary 6D. 24 of them are boys. How many percent more boys than girls are there?
  - (1) 20
  - (2) 40
  - (3) 50
  - (4) 60
- 12. Jeremy had enough money to buy 14 marbles. However, he bought 9 marbles and 10 erasers instead. If each eraser cost \$0.30, how much did each marble cost?
  - (1) \$0.70
  - (2) \$0.60
  - (3) \$0.40
  - (4) \$0.30
- 13. Odd numbers from 1 to 99 are arranged in 4 columns as shown below. In which column will you find number 87 ?

		···	
Α	В	С	D
_ 1	3	5	7
9	11	13	15
17	19_	21	_23_
25		~~~	لدويجسرا

- (1) A
- (2) B
- (3) C
- (4) D

- 14. The ratio of Melody's savings to Rachel's savings was 6 : 7 at first. After Melody spent 50% of her savings and Rachel spent \$40, Rachel had as much left as Melody. What was their total savings at first?
  - (1) 520
  - (2) 260
  - (3) 130
  - (4) 60
- 15. Sharon used  $\frac{7}{9}$  of her money to buy a dress. She also wanted to buy a bag which cost \$40 more than the dress but she was short of \$50. How much did the bag cost?
  - (1) \$14
  - (2) \$44
  - (3) \$54
  - (4) \$94



## NAN HUA PRIMARY SCHOOL CONTINUAL ASSESSMENT 1 – 2008 PRIMARY 6

#### MATHEMATICS

### **BOOKLET B**

20 Short-answer questions (30 marks)

13 Long-answer questions (50 marks)

Total Time for Booklets A and B: 2 hours 15 minutes

# **INSTRUCTIONS TO CANDIDATES**

- 1. Write your name and index number in the space provided..
- 2. Follow all instructions carefully.
- 3. Answer all questions.

### **Marks Obtained**

Section B	//30
Section C	/50
Total	/80

Name:	(	) Class: P 6
Date : 26 February 2008	Parent's Signature:	

# Nan Hua Primary School Continual Assessment 1 – 2006 Mathematics - Primary 6

BOOKLET B

Name :	(	)	Class: Pri	nary 6
SECTION B Questions 16 to 25 carry 1 mark ea provided. For questions which req stated. (10 marks)	ach. Write Juire units	your ans , give you	wers in the sp ir answers in t	aces the units
16. Express 5% as a decimal.			-	
				:
	- 1		in the second	
		:		
			Ans:	
·				·
17. A teapot holds 3.75 litres of tea The capacity of each cup is	a. It is pou	red into 5	similar cups.	er.
				•
. · · · · · · · · · · · · · · · · · · ·		·- ·		
			Ans :	litres
				• •
18. 9 × 0.5 = 2 +	< 0.5.			
	•	,		٦
			Ans :	

19.	When the digit '6' in by how much is the			is replaced	by the digit	<b>'</b> 8 <b>'</b> ,	
	i,					-	
				-	Ans:		<del></del>
-				•			
20.	There are some red	and blue soci	cs in a b	asket The	number of re	ed socks in t	he
	basket is $\frac{5}{7}$ the total						
	7 number of red sock						
				,		•	
				•			
			-	. <del></del>			
	•			•		. •	
				•			
			•		Ans :		<del></del>
						**	
	•				•	_	
21.	How many 9-centim board?	etre) square ca	irds are	required to	cover a 9⁄m	etre⁄square	
						**	
		•			Ans:		cards

Fill in the boxes with the correct signs (-, ×, ÷). Each sign may be used once only.

9		9	+	9		9/		9	=	9
---	--	---	---	---	--	----	--	---	---	---

23. 20% of a number is 5. What is 120% of this number?

A 0.1	
Ans:	
71110.	

24. For every dollar Doris has, Eugene has \$7.
For every dollar Eugene has, Flora has \$4.
How much do Eugene and Flora have if Doris has \$10?

	•	•	
Ans:	<b>\$</b> _		

25. Ribbon A is  $\frac{2}{3}$  as long as Ribbon B. Ribbon B is  $\frac{1}{4}$  as long as Ribbon C. How many times is Ribbon C as long as Ribbon A?

Ans:<u>times</u>

Questions 26 to 35 carry 2 marks each. Show your workings clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

26. The ratio of the number of <u>red apples</u> to the number of <u>green apples</u> in a box is 4:7. If 18 more red apples are added into the box, the number of red apples will be <u>equal</u> to the number of green apples. How many apples are there in the box?

Ans:	apples

27. A square was enlarged so that its length was doubled. What was the percentage increase in its area?

Ans:	%
AHS.	 /(

28. What is the difference in value between A and B?



Ans:

29. 30 children shared a bag of sweets equally. 10 of the children gave all their sweets to the other children in the group. As a result, the other children received 3 more sweets each. How many sweets were in the bag at first?

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

30.	For every 6 books which Bill has, Joe has 9. Ho altogether if Joe has 54 books?	ow many books do the	y have
		•	
		Ans:	books
			<u> </u>
31.	1 pack of red envelopes costs \$1.45. Lucas nee packs of red envelopes Lucas buys, he gets 1 phave to pay?		
		•	
	•		
÷			ŧ
		٠.,	
	:	Ans: \$	
32.	Strawberries are sold at \$0.25 per 100g. What is strawberries?	is the price of 2.5kg of	such
-			
		•	
		Ans: \$	

33.	The capacity of a glassall the juice into the er	s is half that o	of a jug. The of the formulation	plass is $\frac{1}{3}$ full of juid he jughts now filled when	ce. Siti pours
	•				
ť					
		•	÷	•	
				Ans:	
					·• ·
34.	Jeremy wants to mak below. Find the least	e a square wi number of ca	th rectangula rds he needs	r cards 4cm by 3cm to make a square.	n as shown
	4cm				•
					_
		3cm			
-			4		
	··.			Ans:	cards.
(35)	A clock has its time s the actual time passe 12p.m.?	set to 10a.m ed. What is th	It goes faste e displayed t	r by 3 seconds for e ime when the actua	every 1 minute of I time is
		·- · •			
	1	<u>!</u> !		i 2	
		!			
		:	•		
				Ans:	

Section	C	(50	marks)

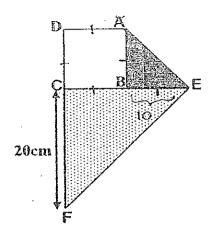
For questions 36 to 48, show your workings clearly in the space provided for each question and write your answers in the spaces provided.

The number of marks available is shown in the brackets [ ] at the end of each question or part-question.

36. Marcus had 50% more stamps than Gina. Marcus gave away half of his stamps and had 750 left. How many stamps did Gina have?

∖nswer:	:	เวา
	. ;	 LUI

37. The figure below shows a rectangular piece of paper folded at 2 comers forming the 2 shaded isosceles triangles, ABE and ECF. Point A is the mid-point of the breadth of the rectangular piece of paper and ABCD is a square. Find the area of the rectangular piece of paper.



	•	<b>1</b>
DOMOE:	1	. 3
Answer:		~ 1

38.	Mary has \$50. She exactly 10 such wall	can buy eithe lets: How ma	er exactly 3 similar such comba	lar wallet	s and 5 s	similar	combs or
			· · · · · · · · · · · · · · · · · · ·	can ne p	uy with \$	210?	
					•		
	-		·		•	-	
•	•		•				
		٠	• · · · · · · ·	,		÷	•
					•	:	
						t	
						:	
					•		
		,				1	
	•		~			•	
		-	-				<u>.</u>
							•
							•
	•						
				٠.			
					·		
			Answer:			-	

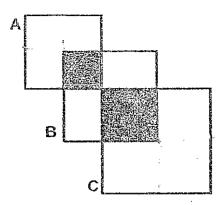
39. Kenny and Joan had some stickers. Kenny had thrice as many stickers as Joan. Kenny used  $\frac{2}{3}$  of his stickers and gave  $\frac{2}{5}$  of the remainder to Joan. Kenny then had 30 stickers left. How many stickers did Joan have at the end?

Answer: [3]

In one day, Johann can make 450 kites and Darren can make  $\frac{5}{9}$  as many kites. How many days are required to make 3500 kites by both of them?

Answer: [3]

41. The figure below consists of 3 overlapping squares A, B and C. The ratio of the area of A to the area of B to the area of C is 2:3:4. If 25% of both Squares A and C is shaded, find the ratio of the shaded area to the unshaded area in the figure. Please give your answer in the simplest ratio.

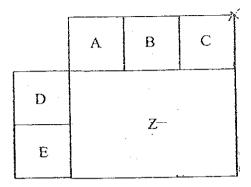


Answer:	 [3

- In a farm, there are three times as many ducks as goats. There is an equal 42. number of cows and goats. The total number of legs of all these animals is 1400.
  - a) How many ducks are there in the farm?b) How many cows are there in the farm?

a) <u>:</u>	[3]
b)_ <u>i</u>	[1]
	a)

43. The figure below is made up of 5 identical squares A, B, C, D and E and a rectangle Z. Find the perimeter of the whole figure if the area of Rectangle Z is 486cm<sup>2</sup>.



Answer: [4]

Ali, Baba and Carapa inherited a sum of money from their father. The amount of money Ali received to the amount Carapa received was in the ratio 3:5.
Carapa's amount was \$\frac{3}{4}\$ that of Baba's. Ali's amount was \$770 less than Baba's.
a) What is the ratio of Ali's money to Baba's money to Carapa's money?
b) How much money did they get altogether?

Ans: a) [1

Peter read 810 pages of a storybook on Friday. On Saturday, he read  $\frac{1}{6}$  of the remaining pages. If he still had 50% of the book to complete, find the number of pages in the book.

Answer: \_\_\_\_\_[5]

23

46. There were some \$5, \$10 and \$50 notes in Jane's wallet. The value of the \$5, \$10 and \$50 was in the ratio 3: 4: 2. After spending 50% of her \$50 notes, 10 of her \$10 notes and <sup>2</sup>/<sub>3</sub> of her \$5 notes, Jane had \$200 left. Find the total amount of money Jane had in her wallet at first.

Answer: [5]

	A contract	. 150
	Answer:	[5]
		•
·	-	
	·	
·	,	
·		
<u>}</u>		
,		
	The second secon	
	·	
the number of girls in the auditor	ium?	

48. Study the pattern below carefully.

	Column A	Column B	Column C	Column D	Total
Row 1	A	歷	A	V	42
Row 2	150	<b>3</b>	A	ä	54
Row 3	*	W	题	V	44
Row 4	V	*	Œ	62	41
Total	44	50	48	39	

Find the value of ♥, ܩ, ★ and ♣.

Answer:	· · · · · · · · · · · · · · · · · · ·	V	:
			e ŝ
		*	
	· · · · · · · · · · · · · · · · · · ·	4	rebi
			[O]

End of Paper

## EXAM PAPER 2008

SCHOOL : NAN HUA PRIMARY SCHOOL

SUBJECT : PRIMARY 6 MATHEMATICS

TERM : CA 1

ERM	3	CA	1		A 100 C	36000		-						
1 (	)2	Q3	Q4_		Q6	Q7		09	Q10	Q11	Q12	012	losa	Q15
	3	3	V.	1	2	3	3	十美	1010	3	7	QIS	3	3
		200					1						12	1 2 1
)0.05				17)0.7	5 litre	Sa.	1	8)5		19)0.	02	~	20)5:2	
	500		115-		- 6		20504	7		A. 14	5.3	28		
_000	00 ca	rds		22) 🥫	Same?		2	3)30		24)\$3	150		25)6 ti	mes
					200			m=141		20140			20100	
	mle			27300	170		. 2	8)7/10	,	29)18			30)90	
1				32)\$6.	25		3	3)1/6						36p.m.
	V	4.7			92.		3	-,-, - A						30p.iii.
1	800.		罗曾		ic.		-							
			B B						1000					
$\frac{1}{2}$	00%	50											24.	
BO-		E Any		=150	or.		19.00							
Man	9.8	- -	-75	5=13€.	70	_			&				, 34	
75%-	1	70												
1%-	>75	276	=10 V			110.					THE REAL PROPERTY.			
Gina-	<b>→1</b> 0	. ::0=	=10 1000								A STATE OF THE PARTY OF THE PAR			
Gina	has	: 000	stamp	S.										
711 ~		4-4	-48	2=1			3,5	200					A S	
1)T 2	ue				JCM	es 4		2		/en		3		-
Area	a of	(Tree	3÷3 35	X	x10cd	4	no de							Comment of the second
6.7.1		21			100ch		153							
Len	gth c	of DA		ı÷2=					The state of the s	THE REAL PROPERTY.		Dans		and the same of th
			DO=1.											SENSON THE PROPERTY.
					n=100									
Area					x200.1		cm <sub>2</sub>		25					
				The state of the s	=2400	-C-TUP		-	Carle Control			745		
Area				parar	>400c	m: A	00cm2	1400c	m2	() - · · · · ·		1	146. 1	
The		00cm2 i is 60		V.		A CONTRACTOR OF THE PARTY OF TH					- Andrews	1		
1116	aica	i is uu	UCITIZ			Contraction of the Contraction o	100							
						3.15								
				50		8							Pa	ge1

