NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 1 – 2011
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 : 1st March 2011 Parent's Signature :_____

53

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. What is the place value of the digit '5' in 567 482?

   (1) hundred thousands
   (2) ten thousands
   (3) thousands
   (4) hundreds

2. How many thousands are there in 1 million?

   (1) 10
   (2) 100
   (3) 1 000
   (4) 10 000

3. $39 \times 68 = 2652$.
   Use the information given above to find the value of $2652 \div 3900$.

   (1) 0.068
   (2) 0.68
   (3) 6.8
   (4) 6 800

4. Round off 197 538 to the nearest ten thousand.

   (1) 190 000
   (2) 197 000
   (3) 198 000
   (4) 200 000

5. $37 \div 1000 = \square \div 10$

(1) 0.0037

(2) 0.037

(3) 0.37

(4) 3.7

6. Find the value of $\frac{7}{8} - \frac{5}{6}$.

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

(2) $\frac{1}{12}$

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

(4) $\frac{35}{48}$

7. Which of the following fractions is smaller than $\frac{1}{6}$?

(1) $\frac{3}{13}$

(2) $\frac{7}{19}$

(3) $\frac{4}{29}$

(4) $\frac{13}{30}$

8. What is the value of $16 + 56 \div 8 \times 3$?

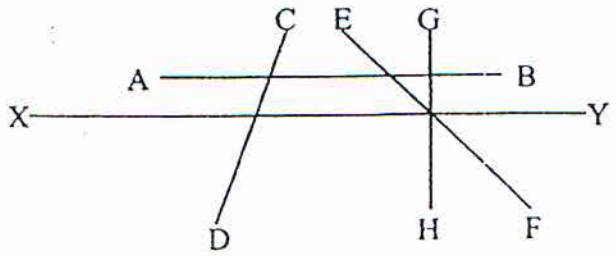
(1) 3

(2) 27

(3) 37

(4) 69

9. Which line is perpendicular to XY?



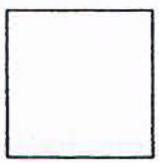
(1) AB

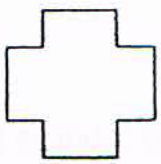
(2) CD

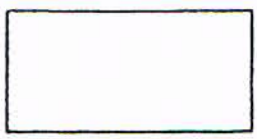
(3) EF

(4) GH

10. Which of the following are symmetrical figures?

(A) 

(B) 

(C) 

(D) 

(1) A and C only

(2) A, B and C only

(3) A, C and D only

(4) A, B, C and D

57

11. Dave could buy either 24 sweets or 18 chocolates with the amount of money he had. He used all his money to buy 8 sweets and some chocolates. How many chocolates did he buy?

(1) 14

(2) 12

(3) 10

(4) 8

12. Ahmad rounded off his savings to the nearest hundred and the amount was $8 600. Which of the following is most likely to be the amount of his savings?

(1) $8 509

(2) $8 549

(3) $8 639

(4) $8 659

13. Cleo bought 6 apples and 8 pears from a fruit stall. Lily bought twice the number of fruit that Cleo bought. Which of the following number sentences represents the total number of fruit they bought?

(1) $6 + 8 \times 2$

(2) $(6 + 8) \times 2$

(3) $6 + 8 \times 3$

(4) $(6 + 8) \times 3$

14. A basket containing 3 bricks has a mass of 4.5 kg. If the same basket is filled with 7 bricks, it will have a mass of 8.5 kg. What is the mass of the basket when it is empty?

(1) 1 kg

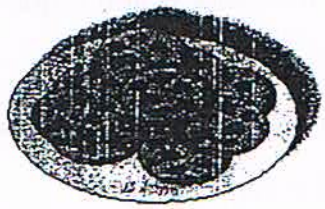
(2) 1.5 kg

(3) 2 kg

(4) 4 kg

15. Mrs Tan uses the recipe below to make some cookies.

Cookie Recipe (makes 20 cookies)
200 g flour 120 g sugar 80 g butter



She has $\frac{5}{8}$ kg of flour, 620 g of sugar and 1 kg of butter. What is the maximum number of cookies she can make?

(1) 60

(2) 100

(3) 240

(4) 400

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 missing number in the blank?

760 219 = 700 000 + _____ + 200 + 10 + 9

Ans : _____

17. Rearrange the following digits to form the **smallest** possible 6-digit **odd** number.

7, 8, 4, 5, 3, 1

Ans : _____

18. Express the following in numerals.

One million, five hundred thousand and eighteen.

Ans : _____

19. The number of beads a shopkeeper bought is 28 000 when rounded off to the nearest thousand. What could be the maximum number of beads he bought?

Ans : _____

20. Find the value of 428 × 25 = _____.

Ans : _____

21. Miss Priya has 30 200 ml of orange juice. She pours the orange juice into 500-ml bottles. How many bottles will she be able to fill to the brim?

Ans : _____

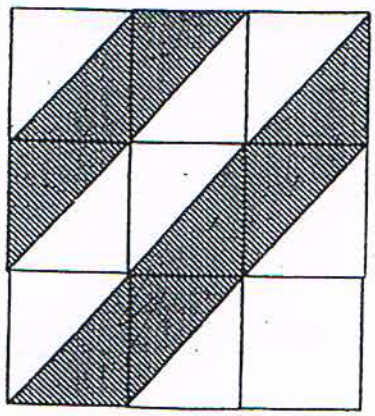
22. Find the missing number.

$100 - (36 \div \square) + 24 = 120$

Ans : _____

61

23. What fraction of the figure is shaded?



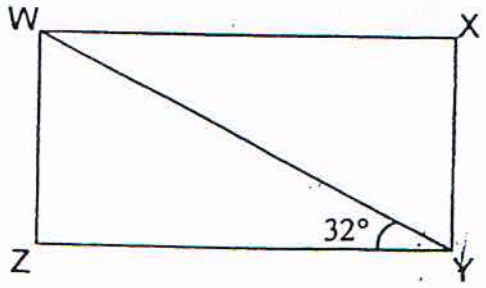
Ans : _____

24. Find the value of $3\frac{1}{12} + 4\frac{3}{4}$

Express your answer in its simplest form.

Ans : _____

25. WXYZ is a rectangle. $\angle WYZ = 32°$. Find $\angle WYX$.



Ans : _____

Section B (10 marks)

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.

26. During a promotion, every 6th person who visited a fair was granted free admission. A total of 2000 people visited the fair. How many of these people were granted free admission to the fair?

Ans : _____

27. The total mass of 3 bags of potatoes is $8\frac{4}{5}$ kg. If Bag A has a mass of $2\frac{1}{2}$ kg and Bag C has a mass of $3\frac{3}{5}$ kg, what is the mass of Bag B? Express your answer in its simplest form.

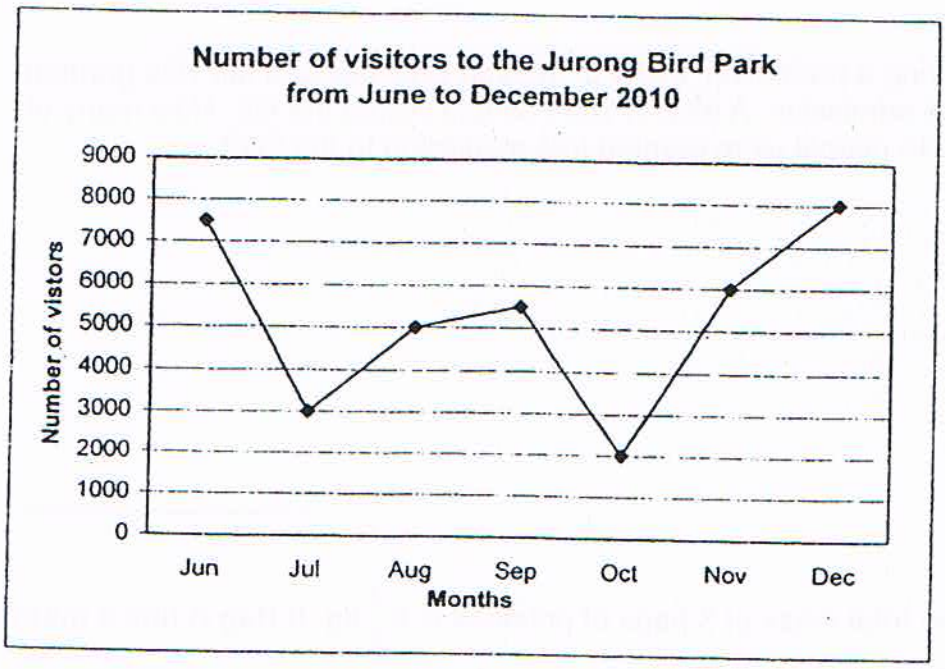
Ans : _____ kg

28. Aaron spent $\frac{2}{7}$ of his money on a soccer ball. He spent $\frac{1}{5}$ of it on a jersey and had $18 left. How much did he have at first?

Ans :$ _____

63

29. The line graph below shows the number of visitors to the Jurong Bird Park from June to December in 2010. What is the difference between the highest number of visitors and the lowest number of visitors?



Ans : _____

30. Mr Ang's age this year is a multiple of 8.
Next year, his age will be a multiple of 7. How old is Mr Ang?

Ans : _____

END OF PAPER 1

NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 1 – 2011
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

Name : _____( )

Class : 5_____

Date : 1st March 2011 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. Ahmad earned $28 for every dress he sold and $32 for every shirt he sold. He sold 121 dresses and 100 shirts. How much did he earn altogether?

Ans : $_____

2. Gabriel had 1 h 45 min to complete his homework. He started at 2.50 pm but did not finish until 4.45 pm. How much extra time did he take?

Ans : _____ mins

3. There were 30 street lamps at equal distance apart along a stretch of road. The distance between the 1st and the 10th street lamp was 90 m. What is distance between the 1st and 30th street lamp?

Ans : _____ m

67

4. Mrs Lim won some money from a lucky draw. She gave Tommy $\frac{3}{8}$ of the money and Elise $\frac{3}{7}$ of the money. What fraction of the money was left?

Do not write in this space.

Ans : _____

5. The table below shows the number of tourists who came to Singapore in November 2010.

	Number of tourists
Indonesia	176 000
Malaysia	100 000
China	94 000
Total	963 000

How many tourists who came to Singapore in November 2010 were not from Indonesia, Malaysia or China?

Ans : _____

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. Gopal bought a condominium for $748 000. He paid a deposit of $29 800 and the remaining amount was to be paid in equal monthly instalments for 30 years. How much was each monthly instalment?

Ans: _____ [3 m]

7. The table below shows the daily wages for a worker at a fast food restaurant.

Monday to Friday	$25
Saturday to Sunday	$30

Melissa worked from the 1st May, which is a Tuesday, to the 28th May. How much would she be paid?

Ans: _____ [3 m]

69

8. Mrs Lee had some red and green beads.

$\frac{7}{11}$ of the beads were red and the rest were green.

After giving away 105 red beads, the number of red beads left was half of the number of green beads.

How many green beads did she have?

Do not write in this space.

Ans: _____ [3 m]

9. Bryan had 189 marbles in Bag A and 279 marbles in Bag B.

He transferred some marbles from Bag B to Bag A until each bag had the same number of marbles. How many marbles did he transfer from Bag B to Bag A ?

Ans: _____ [3 m]

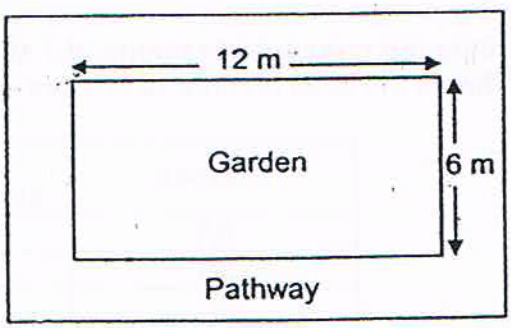
10. Kelynn is 5 times as old as Janet this year. Janet is 9 years old now. In how many years' time will Kelynn's age be twice that of Janet?

Do not write in this space.

Ans: _____ [3 m]

11. A garden measuring 12 m by 6 m has a 2 m wide path around it.

a. What is the area of the garden?
b. What is the area of the pathway?



Ans: a) _____ [1 m]

Ans: b) _____ [3 m]

71

Do not write in this space

12. Don had 4 times as much money as Mei Mei.
After he gave $9 to Mei Mei and spent $15, Don and Mei Mei had the same amount of money. How much money did Don have at first?

Ans: _____ [4 m]

13. The table below shows the number of students from 5 classes attending a camp.
If all the students are grouped into teams of 5 students each, 1 student is left out.
If they are grouped into teams of 7 students each, 5 students are left out.
What is the least number of student campers from class 5B?

Classes	Number of student campers
5A	33
5B	?
5C	25
5D	12
5E	7

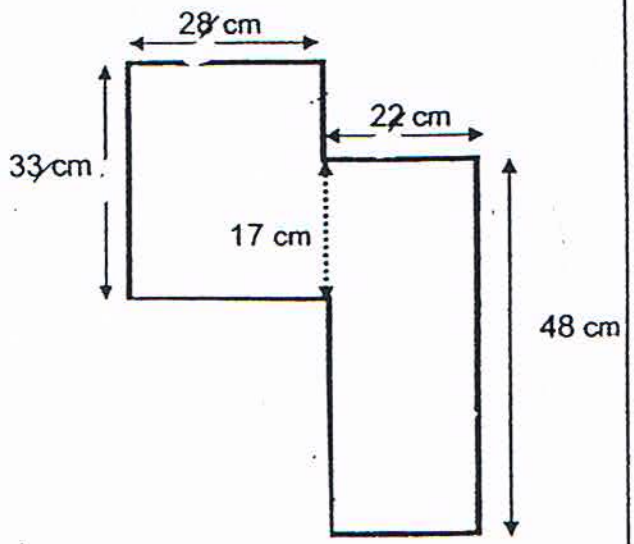
Ans: _____ [4 m]

14. Timothy and Clare had $672 altogether.
When Timothy gave Clare $35, Clare had six times as much money as Timothy. How much more money had Clare than Timothy at first?

Do not write in this space.

Ans: _____ [4 m]

15. Adrian had a piece of wire 300 cm long. He bent the wire into a figure shown below. How much wire had he left?
(Note: All the lines meet at right angles)



Ans: _____ [4 m]

73

16. Milim had some money. She spent $\frac{2}{5}$ of her money on 1 dining table and 4 chairs. She then spent $\frac{1}{3}$ of her remaining money on an oven. Each chair costs \$140 less than the dining table.

a) If Milim spent \$195 on the oven, how much did she spend on the dining table and 4 chairs?

b) What is the cost of the dining table?

Ans: a) _____ [2 m]

Ans: b) _____ [3 m]

17. The table below shows the charges for the entrance tickets to the Singapore Zoo.

Do not write in this space.

	Price of ticket
Adult	$20
Child	$17

a) Mr and Mrs Ho went to the Singapore Zoo with their four children. How much money did Mr Ho pay in all?

b) A group of children and adults paid a total of $770 for their entrance tickets to the Singapore Zoo. Given that there were 40 people in all, how many children were in the group?

Ans: a) _____

Ans: b) _____

75

18. Mrs Lim baked some dark chocolate and white chocolate muffins for a charity event. $\frac{4}{7}$ of the muffins that she baked were dark chocolate. There were 108 white chocolate muffins. She sold $\frac{5}{12}$ of the muffins and gave the unsold muffins to her friends. How many muffins did she give to her friends?

Do not write in this space.

Ans: _____ [5 m]

End of Paper 2

ANSWER SHEET

EXAM PAPER 2011

SCHOOL : NAN HUA
SUBJECT : PRIMARY 5 MATHEMAEICS

TERM : CA1

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

16)60000 17)134587 18)1500018 19)28499 20)10700

21)60 22)9 23)4/9 24)$7\frac{5}{6}$ 25)58°

26)333 27)$2\frac{7}{10}$kg 28)$35 29)6000 30)48

Paper 2

1)(28x121)+(100x32)
=$6588

2)10 mins

3)90÷9=10
30 – 1 = 29
29 x 10 = 290m

4)56/56 – (3/7 + 3/8)
= 11/56 money was left

5)963000 – (176000+100000+94000)
= 593000 tourists

6)748000 – 29800 = 718200
30 x 12 = 360
718200÷360 = $1995

7)25 x 20 = 500
30 x 8 = 240
500 + 240 = $740
She would be paid $740

8)84 green beads

9)270 + 189 = 468
468÷2 = 234
279 – 234 = 45 marbles

10)36 x 2 = 72
9 x 5 = 45
72 – 45 = 27 years time

11)a)12 x 6 = 72m2
b)12+2+2 = 16
6+2+2=10
10x16 = 160
160 – 72 = 88m2

12)15+(9+9)=33
3u→33
1u→33÷3 = 11
11 x 4 = $44

13)19 student campers

14)672÷7 = 96
96 x 6 =576
576 – 35 = 541
96 + 35 = 131
541 – 131 = $410

15)33 – 17 = 16
48 – 17 = 31
33+28+16+22+48+22+31+28
= 228
300 – 228 = 72cm

16)a)195÷3 = 65
65 x 6 = $390
b)390 – 140 = 250
250÷5 = 50
50 + 140 = $190

17)a)(20x2)+(17x4) = 108

b)No.child	Total	No.of adult	total	total	x/ √
20	340	20	400	740	X
10	170	30	600	770	√

18)7 – 4 = 3
108÷3 = 36
4/7 3/7

7 x 36 = 252
252÷12 = 21
21 x 5 = 105
252 – 105 = 147 muffins