NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 1 – 2015
PRIMARY 5

MATHEMATICS

Paper 1

Section A: 15 Multiple Choice Questions (20 marks)

Section B: 15 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 the calculator for Paper 1.**

Marks Obtained

Paper 1		**/ 40**
Paper 2		**/ 60**
Total		**/ 100**

Name : _____ **(** **)**

Class : _____

Date : 2 March 2015 **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) and shade on the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

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1. Which one of the following numbers has a digit '1' in the ten thousands place?

   (1) 145 607

   (2) 231 980

   (3) 475 318

   (4) 713 520

2. Which one of the following numbers is 1000 less than 200 000?

   (1) 100 000

   (2) 190 000

   (3) 199 000

   (4) 199 900

3. What is the value of $18 + 120 \div (3 \times 2)$?

   (1) 23

   (2) 38

   (3) 92

   (4) 98

4. What is the missing number in the box below?

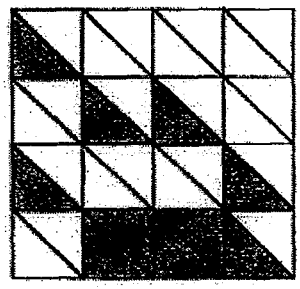
$680\,324 = 600\,000 + \boxed{\ ?\ } + 300 + 20 + 4$

(1) 800
(2) 8000
(3) 80 000
(4) 800 000

5. Which one of the following tells the same time as 10 min to noon?

(1) 11.50 a.m.
(2) 11.50 p.m.
(3) 12.10 a.m.
(4) 12.10 p.m.

6. What fraction of the figure below is shaded?



(1) $\frac{3}{8}$

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

(3) $\frac{5}{16}$

(4) $\frac{11}{16}$

7. Mrs Lim baked 36 muffins in the morning. She baked 15 less muffins in the afternoon than in the morning. How many muffins did she bake in total?

(1) 21

(2) 51

(3) 57

(4) 87

8. Which one of the following fractions is closest to 1?

(1) $\frac{5}{6}$

(2) $\frac{7}{8}$

(3) $\frac{9}{10}$

(4) $\frac{11}{12}$

9. How many quarters are there in $9\frac{1}{2}$?

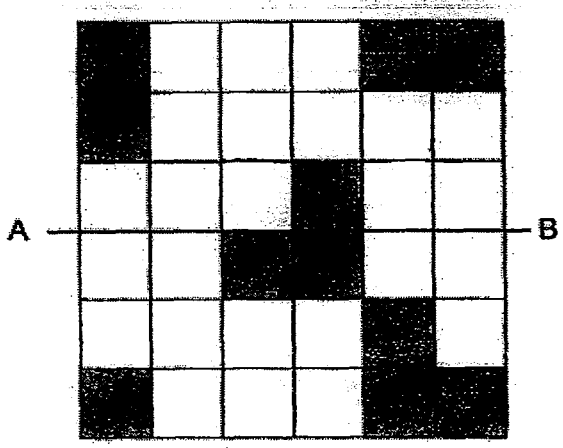
(1) 11

(2) 19

(3) 37

(4) 38

10. Study the figure below. What is the **least** number of squares that must be shaded such that AB is the line of symmetry of the figure?



(1) 1

(2) 2

(3) 3

(4) 4

11. Sam's father gave him some money. He spent half the money on the first day. He spent half of the remainder on the second day and had $12 left. How much did Sam's father give him?

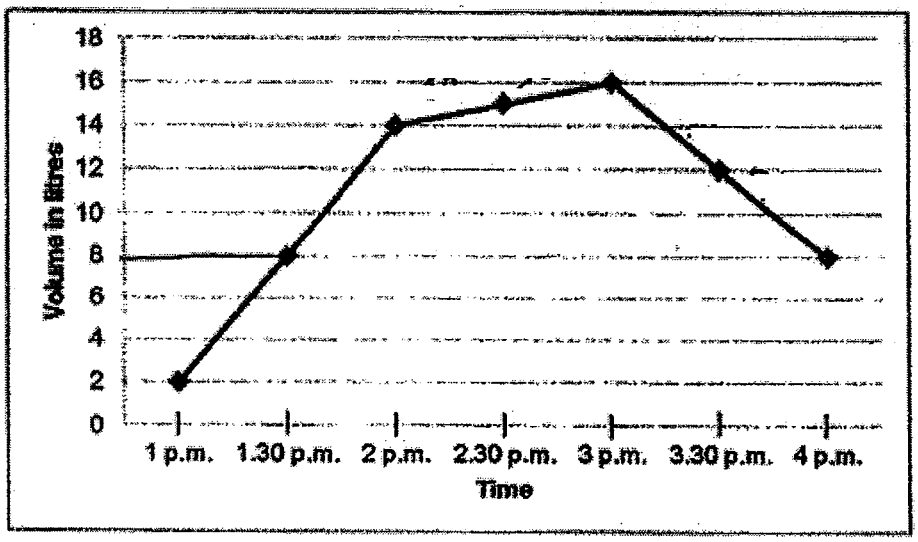
(1) $12

(2) $24

(3) $36

(4) $48

12. The line graph below shows the volume of water in a container over a 3-hour period.



For how long were there at least 8 litres of water in the container?

(1) 1h 30min

(2) 2h

(3) 3h

(4) 2h 30min

13. The table below shows the price of some equipment in a sports shop.

Equipment	Price
Badminton racket	$79
Football	$58
Rollerblades	$149

John went to the shop and bought a football and a badminton racket. Round off his total spending to the nearest $10.

(1) $130

(2) $140

(3) $280

(4) $290

14. Mary bought 3 m of cloth. She used $\frac{4}{5}$ m of cloth to make a skirt for her daughter. She used another $\frac{9}{10}$ m of cloth to make a shirt for her son. How much cloth did she have left?

(1) $1\frac{3}{10}$ m

(2) $1\frac{7}{10}$ m

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

(4) $4\frac{7}{10}$ m

15. The perimeter of a rectangle is 60 m. The length of the rectangle is twice its breadth. What is the area of the rectangle?

(1) 200 m^2

(2) 400 m^2

(3) 450 m^2

(4) 800 m^2

Section B (20 marks)
Questions 16 to 25 carry 1 mark each. Questions 26 to 30 carry 2 marks each.
For each question from 26 to 30, show your workings clearly in the space below it and write your answer in the space provided. Give your answers in the units stated.

16. Write 1 040 014 in words.

Ans: _____

17. What is the product of 80 and 500?

Ans: _____

18. The price of a car is \$125 000 when rounded off to the nearest \$100. What could the **lowest** possible price of the car be in whole numbers?

Ans: \$ _____

19. 48.32 ÷ 8 = _____

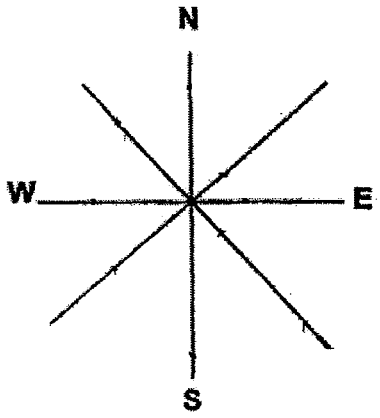
Ans: _____

20. Using the digits given below, form the **smallest** 4-digit number that can be divided by 5 without any remainder. Each digit can be only used once.

0	2	5	8

Ans: _____

21. John is facing south-east now.
He makes a $\frac{3}{4}$ - turn clockwise. In which direction is he facing in the end?



Ans: _____

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22. Find the missing number in the box below.

$49 \times 28 = \boxed{?} \times 28 - 15 \times 28$

Ans: _____

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23. Add $2\frac{3}{8}$ and $6\frac{3}{4}$. Give your answer as a mixed number.

Ans: _____

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24. How many minutes are there in $4\frac{2}{3}$ hours?

Ans: _____ min

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25. How many common factors do 28 and 42 have?

Ans: _____

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26. Study the pattern of letters below. How many 'P's are there if there are a total of 107 letters in the pattern?

N H P S N H P S N H P S ...

1st 12th

Ans: _____

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27. Ali and James collected 742 stickers altogether. After Ali bought another 25 stickers and James bought another 53 stickers, both had the same number of stickers. How many stickers did Ali have at first?

Ans: _____ stickers

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28. Meihua had a total of 16 oranges and pears. After she exchanged every pear for 3 oranges, she had 30 oranges altogether. How many pears did she have at first?

Ans: _____ pears

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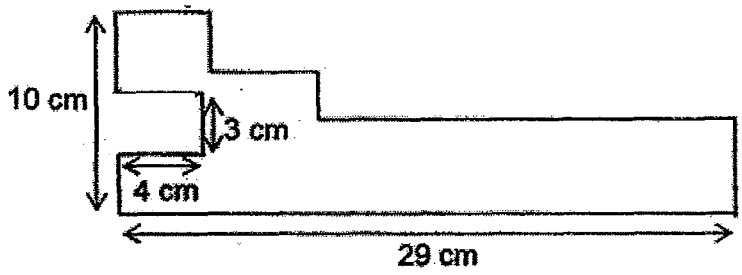
29. The figure below is not drawn to scale. Given that all the lines meet at right angles, find its perimeter.



Ans: _____ cm

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30. A bus can carry at most 42 adults or 63 children. There are already 45 children on the bus. How many adults can still get on the bus?

Ans: _____ adults

--- End of Paper 1 ---

NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 1 – 2015
PRIMARY 5

MATHEMATICS

Paper 2

Total Time for Paper 2: 1 hour 40 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 and show your workings clearly.
5. You are allowed to use a calculator.

Marks Obtained

Total		/ 60

Name : _____( )

Class : _____

Date : 2 March 2015 Parent's Signature : _____

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]

Do not write in this space

1. Arrange the following numbers in increasing order.

   973 851 937518 985 317 931 875

   Answer: _____ , _____ , _____ , _____

   [2]

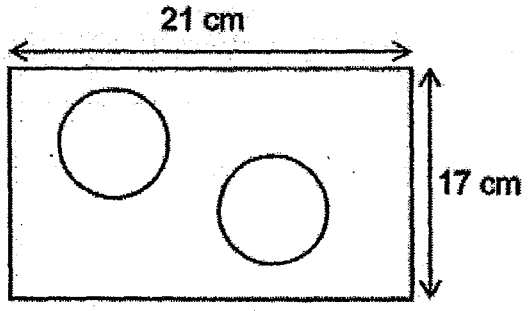
2. A shopkeeper had just enough boxes to pack 1375 pencils into boxes of 11. If he wanted to pack all the pencils into boxes of 5 instead, how many more boxes does he need?

   Answer: _____ [2]

3. There were 365 balls in Basket A and 173 balls in Basket B. Some of the balls were transferred from Basket A to Basket B until each basket had the same number of balls. How many balls were transferred?

   Answer: _____ [2]

4. A piece of paper measures 21 cm by 17 cm. Two circles of area 38.5 cm^2 each are cut from it. What is the area of the piece of paper that is left?



Do not wri
in this spa

Answer: _____ cm^2 [2]

5. Some boys were standing along a straight line at equal distance apart. The distance between the third and the fifth boy was 10 m. Harry was 60 m from the first boy. At which position was Harry standing?

Answer: _____ [2]

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 the brackets [ ] at the end of each question or part question. Include units whenever possible. [50 marks]

Do not write in this space

6. A blue pole, a yellow pole and a red pole were placed side by side. The total length of the three poles was $8\frac{5}{12}$ m. The yellow pole was $1\frac{1}{4}$ m shorter than the red pole. The red pole was $2\frac{1}{3}$ m longer than the blue pole. What was the length of the red pole?

Answer: _____ [3]

7. Jan has \$370 more than Ruth. After Jan gives Ruth \$65, Jan has 4 times as much money as Ruth. How much money does Ruth have at first?

Answer: _____ [3]

8. The total age of Mrs Lim and her daughter is 34. In 4 years' time, Mrs Lim will be 5 times as old as her daughter. How old is her daughter now?

Do not wri in this spa

Answer: _____ [3]

9. Mrs Ng bought 3 kg of flour. She used $\frac{4}{5}$ kg of the flour to bake a tart. To bake a cake, she used $\frac{1}{3}$ kg more flour than what she used for the tart. How much flour did Mrs Ng have left after baking a tart and a cake?

Answer: _____ [3]

10. Miss Ho bought some candies. She divided the candies equally among a class of 32 children. 4 of them gave all their candies to the rest of the children. As a result, the rest of the children received 3 more candies each. How many candies did each child receive at first?

Do not write in this space

Answer: _____ [3]

11. Mr Wong bought $5\frac{1}{6}$ kg of beef and $2\frac{1}{2}$ kg of mutton. He used the same amount of beef and mutton to cook dinner. The amount of beef left was 3 times the amount of mutton left. How much of each type of meat was used?

Answer: _____ [4]

12. 6 adults and 15 children went for a concert. They paid a total of $1077.30. The ticket for an adult cost twice as much as the ticket for a child. How much was the ticket for an adult?

Do not wri in this spa

Answer: _____ [4]

13. 2 similar wallets and 3 similar watches cost $433.
5 similar wallets and 4 similar watches cost $701.
How much does a wallet cost?

Answer: _____ [4]

14. Miss Tan wanted to give some stickers to her pupils. If she gave each pupil 7 stickers, she would have 3 stickers left. If she gave each pupil 9 stickers, she would be short of 5 stickers.

Do not write in this space

(a) How many pupils were there?

(b) How many stickers did Miss Tan have?

Answer: (a) _____ [2]

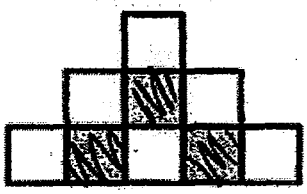
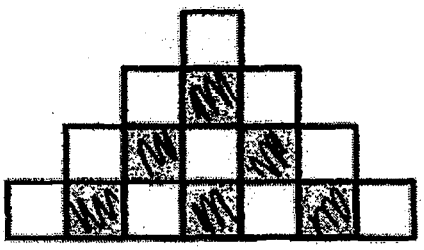
(b) _____ [2]

15. John, Kevin and Larry had 216 game cards altogether. Kevin gave some of his game cards to John and John's game cards were tripled. Then John gave some of his game cards to Larry and Larry's game cards were tripled. At the end, the three boys had an equal number of game cards each. How many game cards did Kevin have at first?

Answer: _____ [4]

16. The patterns below consist of shaded and unshaded squares.
Study the patterns carefully before answering the questions.

Do not writ
in this spac

Pattern 1	
Pattern 2	
Pattern 3	
Pattern 4	

(a) What fraction of the total number of squares are **shaded** in Pattern 6?
(Give your answer in the simplest form)

(b) What is the total number of squares in Pattern 12?

Answer: (a) _____ [3]

(b) _____ [2]

17. Noel had 4 times as much money as Peter. When Noel had spent $4114, Peter's money became 3 times as much as Noel's.

Do not write in this space

(a) How much did Noel have at first?

(b) How much more money did Noel have than Peter at first?

Answer: (a) _____ [3]

(b) _____ [2]

18. Siti started a savings plan by putting a coin in a money box every day. Each coin is either a 20-cent coin or 50-cent coin. Her mother also put in a $1 coin in the box every 5 days. The total value of the coins after 68 days is $34.70.

Do not wr
in this spa

(a) How many coins were there altogether?

(b) How many of the coins were 20-cent coins?

Answer: (a) _____ [1]

(b) _____ [4]

- End of Paper -

NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 1 - 2015
PRIMARY 5 MATHEMATICS
PAPER 1

1) 4 2) 3 3) 2 4) 3 5) 1 6) 3 7) 3 8) 4 9) 4 10) 3 11) 4
12) 4 3) 2 14) 1 15) 1

16) One million, forty thousand and fourteen.

17) 40000

18) $124950

19) 6.04

20) 2085

21) North-East

22) 49+15 = 64

23) 9/1/8

24) 14/3x60 = 280 min

25) 4

26) 107÷4 = 26 R3
26+1 = 27

27) 742+25+53 = 820
820÷2 = 410
410-25 = 385 stickers

28) 30-16 = 14
3-1 = 2
14÷2 = 7 pears

29) 29x2+10x2+4x2 = 86 cm

30) 63-45 = 18
63 children -- 42 adults
18 children -- 18/63x42 = 12 adults

PAPER 2

1) 931 875, 937 518, 973 851, 985 317

2) 1375÷11 = 125
1375÷5 = 275
275-125 = 150 more boxes

3) 365-173 = 192
192÷2 =96 balls were transferred

4) 38.5x2 = 77
21x17 = 357
357-77 = 280 sq cm

5) 10m -- 2 intervals
60m -- 60/10x2 = 12 intervals
12+1 = 13
Harry was standing at position 13.

6) 8/5/12+1/1/4+2/1/3 = 12
12÷3 = 4m

7) 3u -- 370-65-65 = $240
1u -- 1/3x240 = $80
$80-$65 = $15

8) 6u -- 34+4+4 = 42 years old
1u -- 1/6x42 = 7
7-4 = 3 years' old

9) 4/5+1/3 = 1/2/15
1/2/15+4/5 = 1/14/15
3-1/14/15 = 1/1/15 kg

10) 32-4 = 28
28x3 = 84
84÷4 = 21 candies at first

11) 2u -- 5/1/6-2/1/2 = 2/2/3 kg
1u -- 1/2x8/3 = 1/1/3 kg
2/1/2-1/1/3 = 1/1/6 kg

12) 6x2 = 12
12+15 = 27
1077.30÷27 = 39.90
39.90x2 = $79.80

13) 7 wallets + 7 watches = $433+$701 = $1134
1 wallet + 1 watch = $1134÷7 = $162
3 wallets + 3 watches = $162x3 = $486
2 wallets + 3 watches = $433
Difference, 1 wallet = $486-$433 = $53

14) 3+5 = 8
9-7 = 2
a) 8÷2 = 4 pupils
4x7 = 28
b) 28+3 = 31 stickers

15) 216÷3 = 72
72÷3 = 24
72-24 = 48
72+48 = 120
120÷3 = 40
216-24-40 = 152 game cards

16a) 15/36 = 5/12
b) 12x12 = 144 squares

17) 4114÷11 = 374
a) 374+4114 = $4488
b) 374x9 = $3366

18) 68÷5 = 13 R3
a) 13+68 = 81 coins
Assume all are 50¢ coins
$0.50x68 = $34
$34.70-$13 = 21.70
$34-$21.70 = $12.30
$0.50-$0.20 = $0.30
b) $12.30÷$0.30 = 41 20¢ coins