NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 1 – 2016
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 : 2 March 2016

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 has the digit '7' in the hundred thousands place?

   (1) 1 234 759

   (2) 2 167 934

   (3) 3 876 524

   (4) 4 768 912

2. 635 892 = 600 000 + ☐ + 5 000 + 800 + 92

   (1) 2 000

   (2) 3 000

   (3) 20 000

   (4) 30 000

3. A number when rounded to the nearest thousand is 900 000.
   What is the number?

   (1) 899 499

   (2) 899 999

   (3) 900 999

   (4) 901 999

4. What is the missing number in the box?

$35 \div \square = 0.035 \times 100$

(1) 1

(2) 10

(3) 100

(4) 1000

5. Find the value of $42 - (8 + 20) \div 2 + 5$.

(1) 12

(2) 32

(3) 33

(4) 49

6. Which one of the following fractions is the **largest**?

(1) $\frac{1}{9}$

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

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

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

7. Find the value of $\frac{3}{4} + \frac{1}{5}$.

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

(2) $\frac{4}{5}$

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

(4) $\frac{19}{20}$

8. Janice spent $\frac{1}{6}$ of her money on a dress and $\frac{1}{3}$ of it on a wallet. What fraction of her money did she spend?

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

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

(3) $\frac{2}{9}$

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

9. The length of a basketball court is about _____.

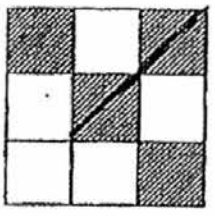
(1) 30 m

(2) 30 cm

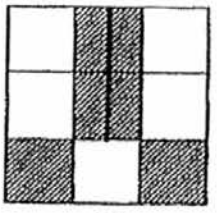
(3) 3 m

(4) 3 km

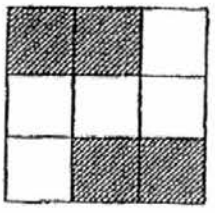
10. Which of the following figures does not have a line of symmetry?



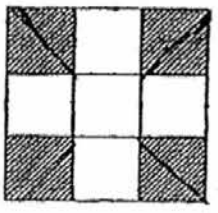
(1)



(2)



(3)



(4)

11. Darren had a sum of money. He spent $\frac{1}{4}$ of the money on a shirt, gave John $\frac{1}{2}$ of it and had \$100 left. How much did Darren have at first?

(1) \$75

(2) \$150

(3) \$300

(4) \$400

12. Javier left for his tennis training and his watch showed 7.35 a.m. He took 35 minutes to travel to his tennis training venue. He then realised that his watch was 10 minutes slow. What was the actual time he reached the training venue?

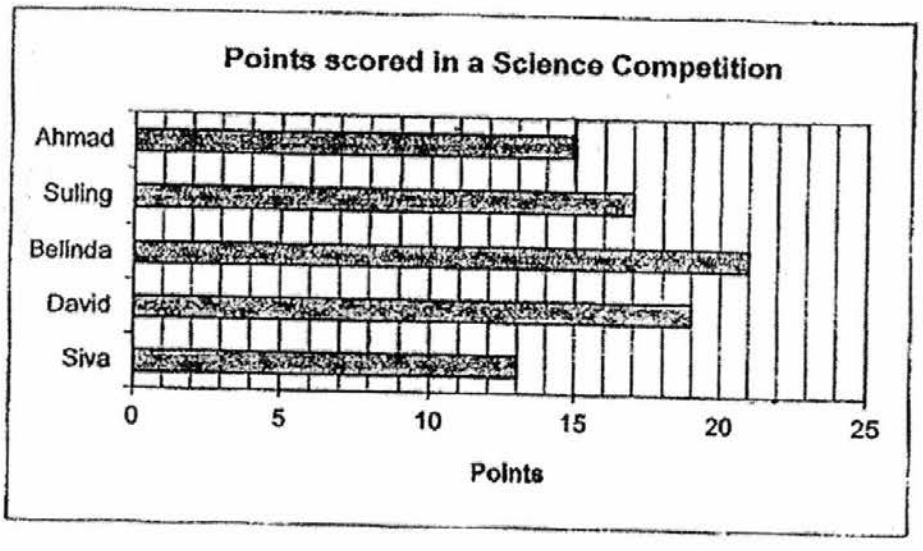
(1) 8.00 a.m.

(2) 8.10 a.m.

(3) 8.20 a.m.

(4) 8.30 a.m.

13. The graph below shows the points scored by pupils who participated in a Science competition. 2 points were awarded for each correct answer and 1 point was awarded for a partially correct answer. What could be the **maximum** number of correct answers given by Belinda?



(1) 10

(2) 11

(3) 20

(4) 21

14. Ali, Baba and Carl shared some money. The total amount of money Ali and Baba received was $56. The total amount of money Ali and Carl received was $120. Carl's amount of money was twice as much as Ali's amount of money. How much did Baba have?

(1) $16

(2) $24

(3) $40

(4) $80

15. The following pattern is formed using 4 letters, A, B, C and D.

A B C D A A B B C C D D A A A B B B C C C D D D ... ?

1st 24th

What is the 60th letter?

(1) A

(2) B

(3) C

(4) D

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 five hundred thousand and four in figures.

Ans: _____

17. How many ten thousands are there in 930 000?

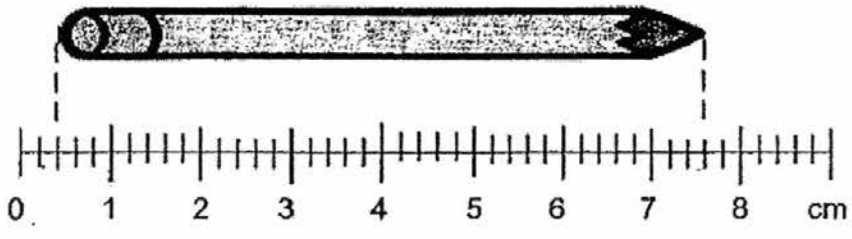
Ans: _____

18. Find the value in the box.

$\square \times 39 + 82 \times 39 = 100 \times 39$

Ans: _____

19. What is the length of the pencil as shown in the figure below?



Ans: _____ cm

20. Find the sum of all the common multiples of 4 and 6 that are less than 25.

Ans: _____

21. Subtract $\frac{1}{4}$ from $3\frac{1}{8}$.

Express your answer as a mixed number in its simplest form.

Ans: _____

22. What is the missing fraction in the box below?
Give your answer in its simplest form.

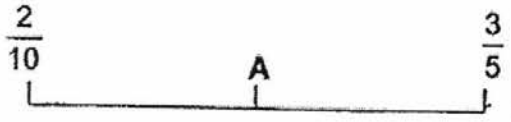
$\frac{1}{5} + \square = \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

Ans: _____

23. Serene opens a book and is looking at the page numbers of the facing pages. The sum of the two numbres is 43. What are the page numbres of the facing pages?

Ans: page_____and page____

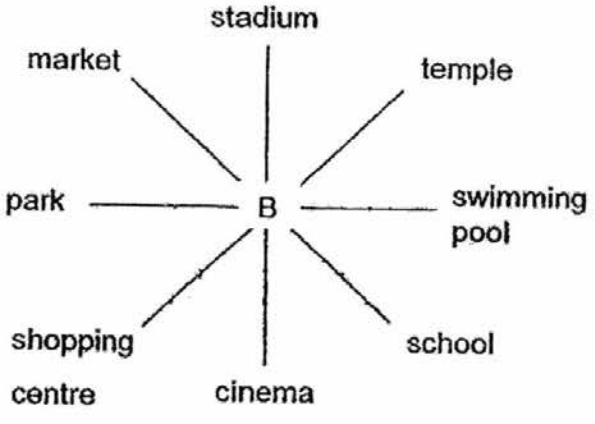
24.



A is exactly midway of $\frac{2}{10}$ and $\frac{3}{5}$.
What is the value of **A**?
Write your answer in the simplest form.

Ans: _____

25. In the diagram below, Andy is standing at point B facing the park. How many degrees does he need to turn anti-clockwise if he wants to face the temple?



Ans: _____ °

26. Mary and Jina had \$800 altogether. After Mary gave $\frac{1}{5}$ of her money to Jina, both had the same amount of money. How much money did Mary give to Jina?

Ans: \$_____

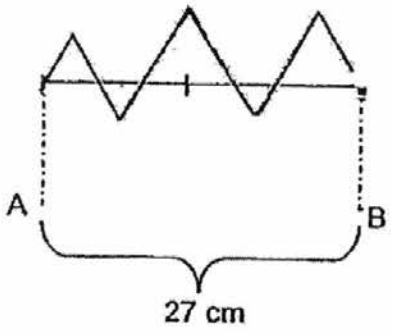
27. Alice mistakenly multiplied 27 by 100 instead of multiplying a given number by 100. If the result was 4500 less than the correct answer, what was the given number?

Ans: _____

28. Allan wants to buy a laptop. If he saves $120 a week, he will be able to buy the laptop at the end of 10 weeks. If he wants to buy the laptop in 6 weeks' time, how much must he save each week?

Ans :$ _____

29. David drew 5 different equilateral triangles as shown below. If point A to point B measures 27 cm, find the sum of the perimeters of the 5 triangles.



Ans: _____ cm

30. Jason had some stamps. After giving his brother $\frac{4}{5}$ of his stamps and an additional 5 stamps, Jason had 85 stamps left. How many stamps did Jason have at first?

Ans: _____

--- End of Paper 1 ---

NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 1 – 2016
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 : 2 March 2016 Parent's Signature :_____

Paper 2 (60 marks)

Do not write

Questions 1 to 5 carry 2 marks each. Show your workings clearly in the space below it and write your answer in the space provided. Give your answers in the units stated.

1. Using the number cards provided below, form the greatest 4-digit **odd** number that is **divisible by 9**. Each digit can only be used once.

0	1	2	3	6

Ans: _____

2. A piece of string of length 704 cm was cut into identical pieces. 10 cuts were made on the string to obtain the identical pieces. What is the length of 1 identical piece of string?

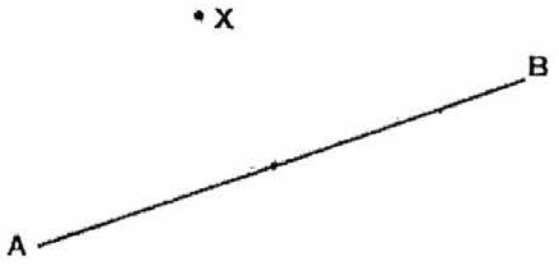
Ans: _____ cm

3. Container A contained 250 g of flour and Container B contained 800 g of flour. How much flour must be poured from Container B into Container A so that both containers contained the same amount of flour?

Ans: _____ g

4. AB is a straight line. Draw a line perpendicular to the line AB through the point X.

Do not write in this space



5. Mr Ong wants to put all 27 boys and all 72 girls into groups for an activity. There are more girls than boys in each group. Each group must have the same number of boys. Each group must also have the same number of girls.
What is the greatest number of groups Mr Ong can form with these conditions?

Ans: _____

For questions 6 to 18, show your working clearly 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. Jane spent $\frac{9}{10}$ of her money on 20 apples and 5 pears.
If 1 apple cost twice as much as a pear, how many pears could Jane buy with the rest of her money?

Ans: _____ [3]

7. Mr Goh is 35 years old. His niece is 30 years younger than he is.
In how many years' time will Mr Goh be thrice as old as his niece?

Ans: _____ [3]

8. Box A contained 256 marbles. Box B contained 84 marbles. Jack added an equal number of marbles to each box. Now, Box A contained twice as many marbles as Box B. How many marbles did Jack add to each box?

Do not write in this space

Ans: _____ [3]

9. Cathy spent 3 days making some kites for sale. Each day she made 18 kites more than the day before. She made a total of 141 kites. How many kites did she make on the first day?

Ans: _____ [3]

10. Everyday, ABC Shipping Company will ship 74 vases while XYZ Shipping Company will ship 53 vases. If they have to ship a total of 29 972 vases, how many vases will be shipped by XYZ Shipping Company in total?

Do not write in this space

Ans: _____ [3]

11. Two different brands of rice are on promotion at a supermarket.

Do not write in this space

BRAND A
Fragrant rice
5 kg at $10.90
per packet

Special offer for Brand B
Buy 2 get 1 free!

BRAND B
Fragrant rice
10 kg at $21.90
per packet

Mrs Neo wants to buy 30 kg of rice. How much will she save if she buys Brand B rice instead of Brand A rice?

Ans:_____ [4]

12. Mr Lim had delivered 340 parcels to Mr Tan. Mr Tan would have to pay Mr Lim $15 for every parcel safely delivered. Mr Lim would have to pay Mr Tan $48 for every damaged parcel. If Mr Tan paid a total of $3966, how many parcels were damaged?

Do not write in this space

Ans: _____ [4]

13. Ernest has some marbles.
If he gives each of his friends 53 marbles, he will have no marble left.
If he gives each of them 45 marbles, he will have 32 marbles left.
How many marbles does Ernest have?

Do not write in this space

Ans: _____ [4]

14. An air purifier cost $360 more than a radio. 4 such radios cost as much as 2 refrigerators. If each refrigerator costs $720, find the cost of 3 air purifiers.

Do not write in this space

Ans: _____ [4]

15. Jamie spent $\frac{1}{10}$ of her salary on transport and $\frac{1}{5}$ of it on food. She also gave $\frac{1}{2}$ of her salary to her parents. She saved the remaining \$480 of her salary.

Do not write in this space

(a) What fraction of her salary did she save?
(Give your answer in the simplest form.)

(b) How much money did she give her parents?

(c) How much did she spend on food and transport?

Ans: a)_____ [1]

b)_____ [2]

c)_____ [1]

16. Siti had some chickens and ducks. She sold $\frac{1}{2}$ of the chickens and had 300 chickens left. She sold 3 times as many ducks as the chickens. At the end, she had a total of 400 chickens and ducks left.

(a) How many ducks did she sell?

(b) How many ducks did she have at first?

(c) What fraction of the ducks were left?

(Give your answer in the simplest form.)

Do not write in this space

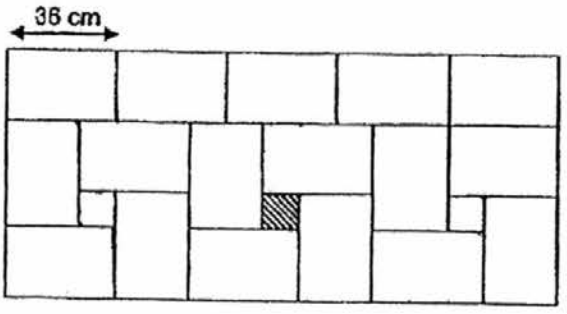
Ans: a)_____ [2]

b)_____ [2]

c)_____ [1]

17. Some identical rectangular tiles are arranged to form a big rectangle as shown below. The length of each tile is 36 cm. Find the area of the shaded part.

Do not write in this space



Ans: _____ [5]

18. Tina baked 136 cupcakes every day. Five days after Tina started baking, Jen started baking 180 cupcakes each day. How many cupcakes had Tina baked when Jen had baked 508 more cupcakes than Tina?

Do not write in this space

Ans: _____ [5]

--- End of Paper 2 ---

EXAM PAPER 2016

SCHOOL : NAN HUA PRIMARY SCHOOL

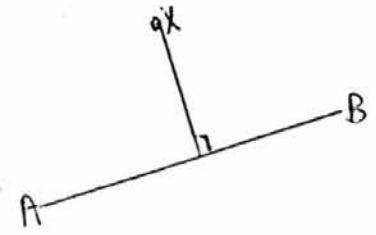
SUBJECT : MATHEMATICS

TERM : CONTINUAL ASSESSMENT 1 2016 – PRIMARY 5

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

16. 500 004
17. 93
18. 18
19. 7.2cm
20. 36
21. $2\frac{7}{8}$
22. $\frac{1}{10}$
23. 21 and 22
24. $\frac{2}{5}$
25. 225
26. $100
27. 72
28. $200
29. 81cm
30. 450

Paper 2

1. 6201
2. 64cm
3. 275g
4. 

5. 9
6. $40 + 5 = 45$
   9 units = 45
   1 unit = 5
7. Current = 5 : 35
   10 years, 15 : 45
8. $256 - 84 = 172$
   $172 - 84 = 88$
9. $x + (x + 18) + (x + 18 + 18) = 141$
   $3x = 141 - 54$
   $= 87$
   $x = 29$
10. $74 + 53 = 127$
    $29972 \div 127 = 236$
    $236 \times 53 = 12508$
11. $30 \div 5 \times 10.90 = 65.40$
    $65.40 - 21.90 - 21.90 = 21.60$
12. $15x - 48y = 3966$
    $x + y = 340$
    $15(340 - y) - 48y = 3966$
    $63y = 5100 - 3966$
    $y = 18$
13. $53x = 45x + 32$
    $8x = 32$
    $x = 4$
    $53 \times 4 = 212$
14. 1A = 1R + 360
    4R = 2F
    4R = 1440
    R = 360
    A = 720
    3A = 2160
15.
    a. $1 - \frac{1}{10} - \frac{2}{10} - \frac{5}{10} = \frac{2}{10}$
       $= \frac{1}{5}$
    b. $240 \times 5 = 1200$
    c. $240 \times 3 = 720$
16.
    a. $3 \times 300 = 900$
    b. $900 + (400 - 300) = 1000$
    c. $\frac{1}{10}$

17. $5L = 180$
    $3L + 3B = 180$
    $(L - B) \times (L - B) = ?$
    $3 \times 36 = 108$
    $(180 - 108) \div 3 = 24$
    $(36 - 24)^2 = 144$
18. $136 \times 5 = 680$
    $180x = 680 + 508 + 136x$
    $44x = 1188$
    $x = 27$
    $27 \times 136 + 680 = 4352$