NANYANG PRIMARY SCHOOL

FIRST CONTINUAL EXAMINATION 2014

PRIMARY 5 MATHEMATICS PAPER 1

DURATION: 50 MINUTES

Booklet A	**/ 20**
Booklet B	**/ 20**

Paper 1 Total: / 40

Name: _____ ( )

Class: Primary 5 (

Date: _____

Parent's Signature: _____

Any query on marks awarded should be raised by **13 March 2014**. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

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ANSWER ALL QUESTIONS.

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PAPER 1 (BOOKLET A)

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 oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(20 marks)

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1 In which one of the following numbers is the digit 6 in the hundred thousands place?

(1) 578 621

(2) 685 721

(3) 765 821

(4) 876 521

2 What is the value of $525 \times 100 \div 10$?

(1) 525 000

(2) 5250

(3) 52.5

(4) 0.525

3 In the answer of $250 \times 3 + 490 \div 7$, which digit is in the hundreds place?

(1) 1

(2) 2

(3) 0

(4) 8

4 What is the value of $48 \div (4 + 2) \times 10 - 5$?

(1) 135

(2) 75

(3) 65

(4) 40

5 Find the value of $\frac{2}{3} - \frac{5}{12}$.

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

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

(3) $\frac{7}{15}$

(4) $1\frac{1}{12}$

6 Find the product of 3 and $\frac{4}{9}$.

(1) $\frac{4}{27}$

(2) $\frac{7}{9}$

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

(4) $3\frac{4}{9}$

7 The clock is showing 3.45 p.m. now. How many quarter turns must the minute hand have made when it reaches 4.30 p.m. on the same day?

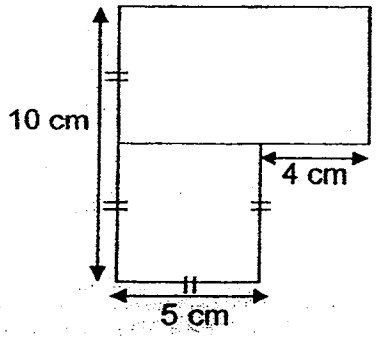
(1) 1

(2) 2

(3) 3

(4) 4

8 The figure below is made up of a rectangle and a square. The length of each side of the square is 5 cm. Find the area of the figure.



(1) 25 cm²

(2) 38 cm²

(3) 45 cm²

(4) 70 cm²

9 Arrange the following decimals from the largest to the smallest:

0.038, 0.10, 0.999, 0.08

(1) 0.038, 0.08, 0.10, 0.999

(2) 0.08, 0.10, 0.038, 0.999

(3) 0.999, 0.10, 0.08, 0.038

(4) 0.999, 0.08, 0.038, 0.10

10 Find the value of 3.15 x 3. Give your answer correct to 1 decimal place.

(1) 9.2

(2) 9.3

(3) 9.4

(4) 9.5

11 Susy saves $246 each month. How much can she save in a year?

(1) $2952

(2) $2942

(3) $2852

(4) $738

12 Kaitlyn spent $\frac{2}{5}$ of her money on a pencil case and $\frac{3}{10}$ of it on a bag.

What fraction of her money was spent?

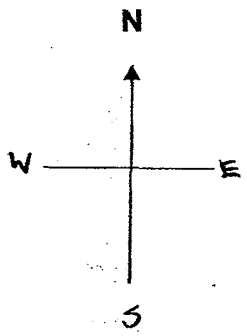
(1) $\frac{1}{10}$

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

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

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

13 Ahmad is facing the south-east. He makes an anti-clockwise turn and faces south-west. How many degrees has he turned?



(1) 45°

(2) 90°

(3) 180°

(4) 270°

14 Faris bought 5 bottles of oil. Each bottle contained 1.35 litres of oil. He used up 3.25 litres of oil. How many litres of oil were left?

(1) 9.5

(2) 3.5

(3) 3.1

(4) 2.1

15 The total mass of Angie and Kai Wen is 72.25 kg. The total mass of Kai Wen and Devi is 63.94 kg. Devi's mass is 39.7 kg. What is the mass of Angie in kilogrammes? Give your answer correct to the nearest tenth.

(1) 96.5

(2) 96.4

(3) 48.1

(4) 48.0

Name: _____( ) Class: Pr 5 ( )

P5 CA1 2014

PAPER 1 (BOOKLET B)

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.

(10 marks)

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16 Find the sum of 5245 and 1775 by first rounding off each number to the nearest hundred.

Ans: _____

---

17 John had 8 boxes of erasers. Each box contained 125 erasers. He repacked all the erasers equally into 100 small packets. How many erasers were there in each small packet?

Ans: _____

---

18 Find the sum of all the common factors of 12 and 24.

Ans: _____

---

19 Express $\frac{29}{22}$ as a mixed number.

Ans: _____

---

20 Find the value of $\frac{1}{2} + \frac{9}{10}$. Express your answer as a mixed number in its simplest form.

Ans: _____

---

21 Sheena bought 3 packets of milk. Each packet contained $\frac{13}{6}$ litres of milk. How many litres of milk did she buy altogether? Express your answer as a mixed number in its simplest form.

Ans: _____ *l*

---

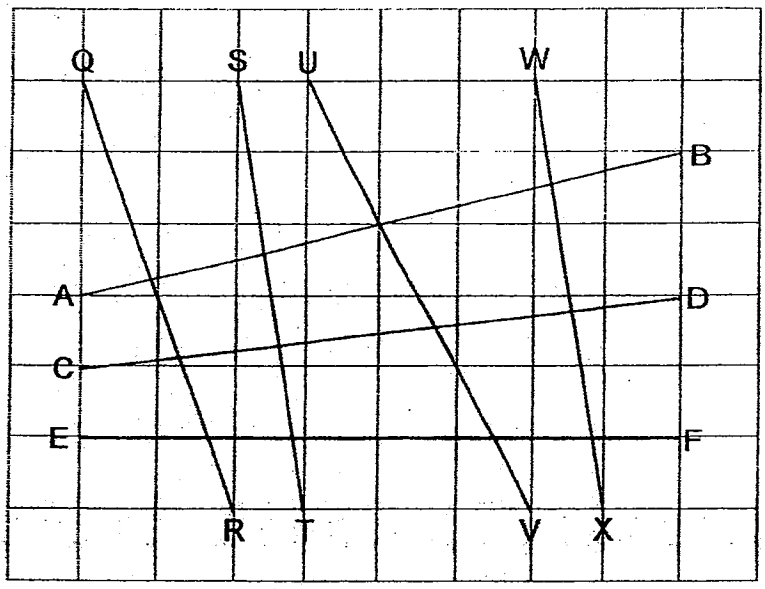
22 Use a protractor, measure and write down the size of $\angle a$.

a

Ans: _____ °

---

23 Which 2 lines in the square grid below are parallel to each other?



Ans: Lines _____ and _____

---

24 Round off 6.099 to 2 decimal places.

Ans: _____

---

25 Find the value of $214 \div 4$. Express your answer as a decimal.

Ans: _____

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.

(10 marks)

---

26 Insert in a pair of brackets to make the number sentence below true.

$$100 - 16 \div 8 - 4 \times 2 = 92$$

---

27 A refrigerator cost 5 times as much as an oven. An oven cost 4 times as much as a toaster. The oven cost $400. Find the total cost of the three items.

Ans: _____

---

28 A box of marbles when shared equally among 5 or 6 pupils would have a remainder of 3 marbles. What was the least number of marbles in the box?

Ans: _____

---

29 The cost of 5 identical mobile phones and 2 identical ipads was $1638. Each ipad cost twice as much as each mobile phone. What was the cost of 1 mobile phone?

Ans: $ _____

---

30 Amir took part in a quiz consisting of 30 questions. For every correct answer, 2 points were awarded. For every wrong answer, 1 point was deducted. He scored a total of 30 points. How many questions did he answer wrongly?

Ans: _____

END OF PAPER

NANYANG PRIMARY SCHOOL

FIRST CONTINUAL EXAMINATION 2014

PRIMARY 5 MATHEMATICS PAPER 2

DURATION: 1 HOUR 40 MINUTES

Paper 2 Total	**/ 60**
GRAND TOTAL	**/ 100**

Name: _____ ( )

Class: Primary 5 (

Date: _____

Parent's Signature: _____

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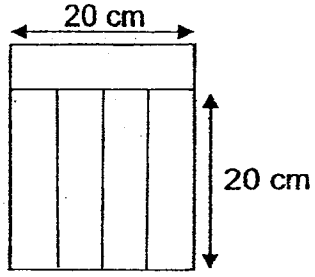
PAPER 2

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. All figures are not drawn to scale.

(10 marks)

---

1 The figure below is made up of 5 identical rectangles. Find the area of the figure.



Ans: _____ cm^2

---

2 Leroy had 2504 games cards. He gave $\frac{3}{8}$ of them away to Josh. How many game cards had he left?

Ans: _____

---

3 Jia Hao had $\frac{3}{4}$ kg of flour. He used $\frac{5}{12}$ kg of the flour to bake a cake. How much flour had he left? Express your answer as a fraction in its simplest form.

Ans: _____ kg

---

4 The area of a rectangle is 243 cm². Its breadth is 9 cm. Find the length of the rectangle.

Ans: _____ cm

---

5 Judy and Peter had 46 and 38 apples respectively before they started to pick apples in a farm. For every apple that Judy picked, Peter picked 2 apples. They stopped picking the apples when they had an equal number of apples. How many apples did Peter pick?

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. All figures are not drawn to scale.

(50 marks)

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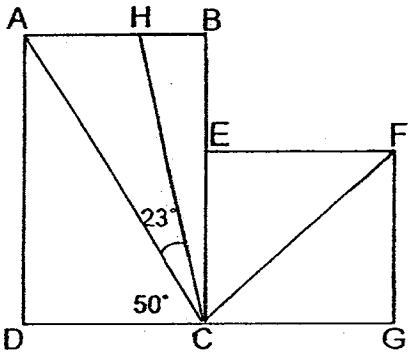
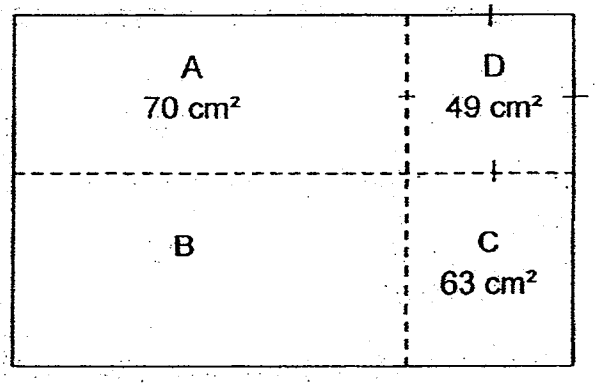
6 The figure below is made up of rectangle ABCD and square CEFG. CA, CH and CF are straight lines. ∠ACD is 50° and ∠ACH is 23° Find ∠ACF.



Ans: _____ [3]

---

7 The figure below is made up of 3 rectangles and a square. What is the difference between the area of Rectangle B and the area of Rectangle C?



Ans: _____ [3]

---

8 In a stadium, there were 3 times as many adults as children watching a tennis match. After 30 children left the stadium, there were 9 times as many adults as children. How many people were in the stadium at first?

Ans: _____ [3]

---

9 A bag of sweets was shared equally among 40 pupils. 8 of these pupils gave all their sweets to the rest of the pupils. As a result, the rest of the pupils received 4 more sweets each. How many sweets did each pupil receive at first?

Ans: _____ [3]

---

10 A piggy bank contained 48 more 50-cent coins than 20-cent coins. The total value of 50-cent coins was $72 more than the total value of 20-cent coins. How many 20-cent coins were in the piggy bank?

Ans: _____ [3]

11 At a party, each girl received 2 glow sticks and each boy received 5 glow sticks. There were twice as many boys as girls at the party. A total of 360 glow sticks was given out. How many boys were at the party?

Ans: _____ [4]

12 Aik Hoe and Weihong had some stickers. After Aik Hoe gave 360 stickers to Weihong, both of them had an equal number of stickers. Weihong then gave 240 stickers to Aik Hoe and Aik Hoe then had 3 times as many stickers as Weihong. How many stickers did Weihong have at first?

Ans: _____ [4]

13 There were 120 pupils in a school hall. $\frac{3}{5}$ of the pupils were boys. Some boys left the hall while all the girls remained in the hall. As a result, there was an equal number of boys and girls left in the hall.

(a) How many boys left the hall?

(b) How many pupils were in the hall in the end?

Ans: (a) _____ [2]

(b) _____ [2]

14 The figures below are made up of identical squares. The length of each side of the square is 3 cm. Study the patterns carefully and answer the following questions.

(a) Find the perimeter of Figure 3.
(b) Find the area of Figure 3.
(c) Find the area of Figure 4

Figure 1

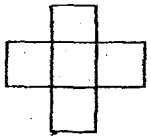


Figure 2

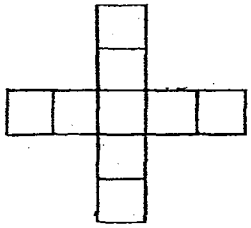


Figure 3

Figure	Number of Square(s)	Perimeter (cm)	Area (cm^2)
1	1	12	9
2	5	36	45
3	9	?	?

Ans: (a) _____ [1]

(b) _____ [1]

(c) _____ [2]

15 The cost of 2 mangoes and 1 pear is $4.60. The cost of 1 such mango and 3 such pears is $3.80. What is the greatest number of mangoes that can be bought with $24.50?

Ans: _____ [4]

16 At a carnival, the number of adults was twice the number of children. The number of men was twice the number of boys and 5 times the number of girls. There were 20 more women than girls.

(a) How many people were there at the carnival?
(b) How many more males than females were there at the carnival?

Ans: (a) _____ [3]

(b) _____ [2]

17 Joel had some marbles. $\frac{3}{10}$ of the marbles were red. $\frac{1}{10}$ of the marbles were blue. The rest of the marbles were green. He gave $\frac{1}{2}$ of the green marbles away. He then had 360 green marbles left. How many more red marbles than blue marbles did Joel have?

Ans: _____ [5]

18 Mdm Tan spent some money on 8 notebooks. She spent the same amount of money on another 12 files. Each notebook cost 55 cent more than each file. How much did Mdm Tan spend altogether?

Ans: _____ [5]

END OF PAPER

EXAM PAPER 2014
LEVEL : PRIMARY 5
SCHOOL : NANYANG
SUBJECT : MATHS
TERM : CA1

Paper 1

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

Q16 7000
Q17 10
Q18 28
Q19 $1\frac{7}{22}$
Q20 $1\frac{2}{5}$
Q21 $6\frac{1}{2}\ell$
Q22 134°
Q23 ST and WX
Q24 6.10
Q25 53.5
Q26 100 – 16 ÷ (8- 4) X 2 = 92
Q27 $2500
Q28 33
Q29 $182
Q30 10

Paper 2

Q1 $20 \div 4 = 5$
$20 \times 5 = 100$
$100 \times 5 = 500$

The area is 500 cm^2

Q2 $2504 \div 8 = 313$
$1 - \frac{3}{8} = \frac{5}{8}$
$313 \times 5 = 1565$

He had1565 cards left.

Q3 $\frac{3}{4} - \frac{5}{12} = \frac{1}{3}$

He has $\frac{1}{3}$ kg of flour left.

Q4 $243 \div 9 = 27$

The length is 27cm.

Q5

Apples Judy picked start 46 $\frac{1}{47}$ $\frac{1}{48}$ $\frac{1}{49}$ $\frac{1}{50}$ $\frac{1}{51}$ $\frac{1}{52}$ $\frac{1}{53}$ $\frac{1}{54}$
Apples Peter picked start 38 $\frac{2}{40}$ $\frac{2}{42}$ $\frac{2}{44}$ $\frac{2}{46}$ $\frac{2}{48}$ $\frac{2}{50}$ $\frac{2}{52}$ $\frac{2}{54}$ equal number
(1)(2)(3)(4)(5)(6)(7)(8)

$2 \times 8 = 16$

Peter picked 16 apples.

Q6 $90° - 50° = 40$
$90° \div 2 = 45$
$40° + 45° = 85°$

$\angle ACF = 85°$

Q7 $49 \div 7 = 7$
$70 \div 7 = 10$
$63 \div 7 = 9$
$10 \times 9 = 90$
$90 - 63 = 27$

The difference is 27cm^2.

Q8 2 unit → 130
9 + 3 = 12
1 unit → 30 ÷2 = 15
12 x 15 = 180

There were 180 people.

Q9 40 – 8 = 32
32 x 4 = 128
128 ÷ 8 = 16

Each pupil received 16 sweets.

Q10 $0.50 X 48 = 24
$0.50 – $0.20 = $0.30
$72 - $24 = $48
$48 ÷ $0.30 = 160

There were 160 20-cents coins.

Q11 5 + 5 + 2 = 12
360 ÷ 12 = 30
30 x 2 = 60

There were 60 boys.

Q12 360 – 240 = 120
360 + 240 – 120 = 480
480 ÷ 2 = 240
240 – 120 = 120

Weihong had 120 stickers at first.

Q13 120 ÷ 5 = 24
$1 - \frac{3}{5} = \frac{2}{5}$
$\frac{3}{5} - \frac{2}{5} = \frac{1}{5}$
$\frac{3}{5} - \frac{1}{5} + \frac{2}{5} = \frac{4}{5}$
24 x 4 = 96

(a) There were 24 boys left.
(b) There were 96 pupils in the end.

Q14 36 – 12 = 24
5 -1 = 4
45 – 9 = 36
3 x 20 = 60
60 – 36 = 24
9 x 9 = 81
81 – 45 = 36
81 + 36 = 117

(a) The perimeter is 60 cm.
(b) The area is 81 cm^2
(c) The area is 117 cm^2

Q15 4 mangoes + 2 pears → \$4.60 x 2 = \$9.20
5 mangoes + 5 pears → \$9.20 + \$3.80 = \$13
\$13 ÷ 5 = \$2.60
\$2.60 x 3 = \$7.80
\$4 ÷ 2 = \$2
\$24.50 ÷ \$2 = 12R50¢

\$24.50 can buy 12 mangoes.

Q16

A : C	M : B : G
2 : 1 (x7)	10 : 5 : 2
14 : 7	

14 – 10 = 4 (woman)
4 – 2 = 2 (diff)
2 unit → 20
1 unit → 10
21 x 10 = 210

10 + 5 = 15 (male)
2 + 4 = 6 (female)
15 – 6 = 9 (diff)
9 x 10 = 90

(a) There were 210 at the carnival.
(b) There were 90 more males than females.

Q17 $1 - \frac{3}{10} - \frac{1}{10} = \frac{6}{10}$
$\frac{6}{10} \times \frac{1}{2} = \frac{3}{10}$
360 ÷ 3 = 120
120 x 3 = 360
360 – 120 = 240
Joel had 240 more red marbles than blue marbles.

Q18 8F + \$4.40 = 12F
12 – 8 = 4
\$4.40 ÷ 4 = \$1.10
12F → \$18.20
\$18.20 X 2 = \$26.40
Mdm Tan spent \$26.40.