



NANYANG PRIMARY SCHOOL

**FIRST CONTINUAL EXAMINATION
2015**

**PRIMARY 5
MATHEMATICS
PAPER 1**

DURATION: 50 MINUTES

Booklet A	/ 20
Booklet B	/ 20

Paper 1 Total:
/ 40

Name: _____ ()

Class: Primary 5 ()

Date: 5 March 2015

Any query on marks awarded should be raised by 12 March 2015. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Parent's Signature: _____

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.**

YOU ARE NOT ALLOWED TO USE A CALCULATOR.

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Additional handwritten text at the bottom of the page, also illegible due to fading.

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)

1 Which one of the following is seven million, eight hundred and forty thousand and nineteen in figures?

(1) 7 814 019

(2) 7 814 090

(3) 7 840 019

(4) 7 840 090

2 Find the value of $7000 \div 200 \times 10$.

(1) 3.5

(2) 35

(3) 350

(4) 3500

3 Find the value of $125 - 2 \times 48 \div 3 + 13$.

(1) 80

(2) 106

(3) 119

(4) 198

4 Find the value of $2460 \div (30 - 10) - 10$.

(1) 62

(2) 113

(3) 246

(4) 1220

5 Find the difference between $\frac{3}{4}$ and $\frac{1}{8}$.

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

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

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

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

6 Find the product of 4 and $\frac{5}{12}$.

(1) $\frac{5}{48}$

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

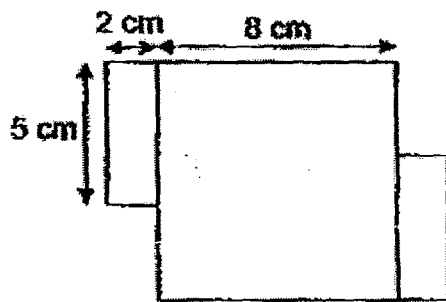
(3) $1\frac{2}{3}$

(4) $4\frac{5}{12}$

7 In an 8-point compass, a $\frac{3}{4}$ -turn is equivalent to _____.

- (1) 45°
- (2) 90°
- (3) 180°
- (4) 270°

8 The figure below is made up of 2 identical rectangles and 1 square. Find the area of the figure.



- (1) 96 cm^2
- (2) 84 cm^2
- (3) 50 cm^2
- (4) 40 cm^2

9 Arrange the following decimals in ascending order.

0.12, 0.098, 0.8, 0.345

(1) 0.098, 0.12, 0.345, 0.8

(2) 0.8, 0.12, 0.098, 0.345

(3) 0.098, 0.8, 0.12, 0.345

(4) 0.345, 0.8, 0.12, 0.098

10 Jie Jun bought 20 kg of rice. He packed them equally into 7 packets.
What was the mass of rice in each packet?
Give your answer correct to 2 decimal places.

(1) 2.85 kg

(2) 2.86 kg

(3) 2.87 kg

(4) 2.90 kg

11 Find the product of 326 and 47.

(1) 3586

(2) 14 982

(3) 15 222

(4) 15 322

12 Mr Ramy sold $\frac{1}{4}$ m of cloth on Tuesday and $\frac{3}{10}$ m cloth more on Wednesday than on Tuesday. How much cloth did Mr Ramy sell altogether?

(1) $\frac{11}{20}$ m

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

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

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

13 The figure below shows an 8-point compass. Jotham was facing South-East after making a $\frac{1}{4}$ -turn clockwise. At which direction was Jotham facing at first?

N



(1) North

(2) North-East

(3) South-West

(4) East

14 Gregory donated \$5.70 to Children Cancer's Charity each month for a total of 6 months. How much money did he donate in all?

(1) \$0.95

(2) \$11.70

(3) \$30.20

(4) \$34.20

15 Mrs Chandrika had 11.93 l of water at first. She used 2.26 l of water in the morning and some water in the afternoon. She then had 3.75 l of water left. How many litres of water did Mrs Chandrika use in the afternoon? Round off your answer to the nearest tenth.

(1) 5.9

(2) 6.0

(3) 10.4

(4) 13.4

Name: _____ () Class: Pr 5 ()

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)

16 Find the value of $80\,000 \div 500 \div 20$.

Ans: _____

17 Write down all the common factors of 18 and 27.

Ans: _____

18 Express $7\frac{4}{9}$ as an improper fraction in its simplest form.

Ans: _____

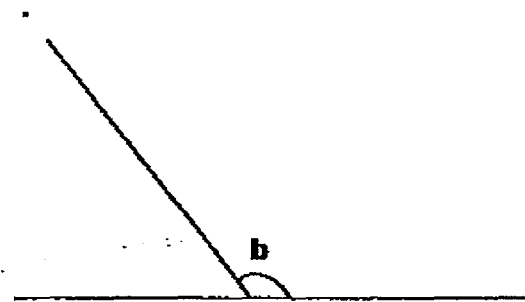
- 19 Find the value of $\frac{13}{8} \times 5$. Express your answer as a mixed number in its simplest form.

Ans: _____

- 20 Express $\frac{80}{12}$ as a mixed number in its simplest form.

Ans: _____

- 21 Use a protractor, measure and write down the size of $\angle b$.



Ans: _____°

- 22 Which of the following letter(s) has/have both parallel and perpendicular lines in it?

H E L M U T

Ans: _____

- 23 Round off 9.95 to 1 decimal place.

Ans: _____

- 24 Find the value of $634 \div 8$. Leave your answer as a decimal.

Ans: _____

- 25 Estimate the value of $3438 + 4367$ by first rounding off each of the numbers to the nearest thousand.

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 Mr Ravi sold 1652 books in all. $\frac{4}{7}$ of them were fiction books and the rest were non-fiction books. How many fiction books did Mr Ravi sell?

Ans: _____

- 27 Thomas and Percy bought 4 packets of chocolate and 9 packets of sweets altogether. Each packet of chocolate cost \$7. Each packet of sweet cost \$3 less than each packet of chocolate. Thomas and Percy shared the cost equally. How much did each of them pay?

Ans: \$ _____

- 28 Mr Woo has some chairs. The chairs can be arranged in rows of 8 with no chairs leftover. He will be short of 1 chair when he arranges the chairs in rows of 7. What is the smallest possible number of chairs that Mr Woo have?

Ans: _____

- 29 Gordon had \$168 and Henry had \$3588. After their father gave each of them an equal amount of money, Henry had 7 times as much money as Gordon. How much money did Gordon have in the end?

Ans: \$ _____

- 30 Jeff had 5 times as many stamps as Udin. After Jeff gave 84 of his stamps to Udin, they had an equal number of stamps. How many stamps did Jeff have at first?

Ans: _____

END OF PAPER

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NANYANG PRIMARY SCHOOL

**FIRST CONTINUAL EXAMINATION
2015**

**PRIMARY 5
MATHEMATICS
PAPER 2**

DURATION: 1 HOUR 40 MINUTES

Paper 2 Total	/ 60
GRAND TOTAL	/ 100

Name: _____ ()

Class: Primary 5 ()

Date: 5 March 2015

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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.

(10 marks)

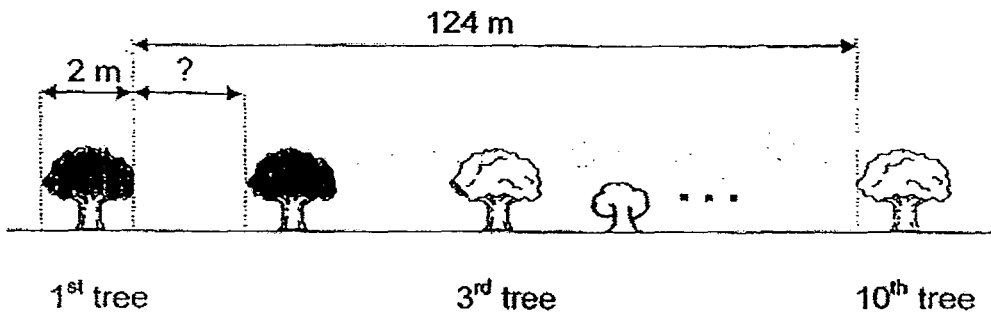
- 1 Insert a pair of brackets to make the number sentence below true

$$96 + 42 \times (18 - 16) \div 4 = 117$$

-
- 2 The perimeter of a rectangle is 44 m. Its length is 13 m. Find the breadth of the rectangle.

Ans: _____ m

- 3 There were 10 trees of the same width planted along one side of a straight road. The distance between every 2 trees was the same. The distance between the 1st tree and the 10th tree was 124. The width of a tree was 2 m. What was the distance between every 2 trees?

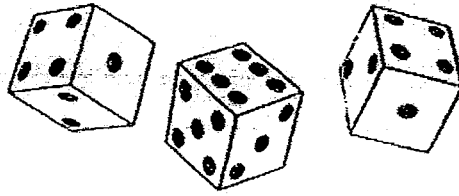


Ans: _____ m

- 4 Tina swam for a total of $\frac{9}{10}$ km. for 3 days from Friday to Sunday. She swam $\frac{1}{5}$ km on Saturday. On Sunday, she swam the same distance as on Saturday. What was the distance she swam on Friday? Express your answer as a fraction in its simplest form.

Ans: _____ km

- 5 Bai Fu threw 3 six-sided dice and recorded all the numbers that he rolled. The product of the 3 number was 120. What were the 3



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)

- 6 Ann spent \$323 on 18 identical files and 5 identical dictionaries. Each file cost \$11.
- (a) How much did she spend on the 18 files?
- (b) How much did 1 such dictionary cost?

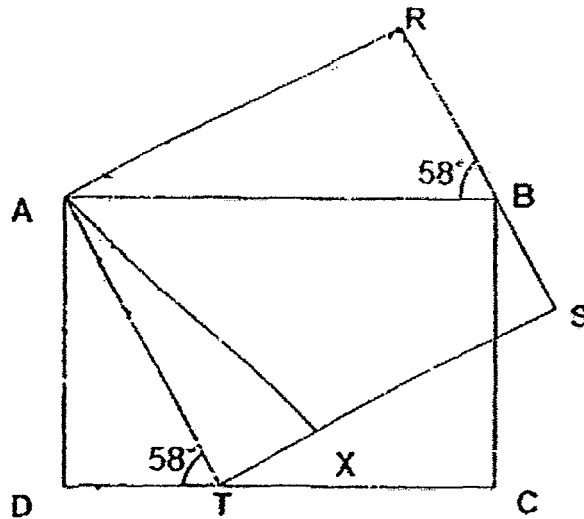
Ans: (a) _____ [1]

(b) _____ [2]

- 7 Jeremy is 46 years old and Emily is 18 years old now. How many years ago was Jeremy 5 times as old as Emily ?

Ans: _____ [3]

- 8 The figure below is made up of rectangle ABCD and rectangle ARST. AX is a straight line. $\angle ABR$ is 58° and $\angle ATD$ is 58° . Given that $\angle RAB$ is twice that of $\angle TAX$, find $\angle XAB$.



Ans: _____ 3

- 9 The figure below shows a square PQRS. PQRS is made up of squares C and D and rectangles A and B. The perimeter of square C is 32 cm. The area of square D is 25 cm^2 . Find the length of the side of the square PQRS.

Ans: _____ [3]

- 10 A bus carrying some passengers left Bus Stop A. At Bus Stop B, 8 passengers boarded the bus and 6 passengers alighted the bus. At Bus Stop C, half of the passengers alighted the bus. At Bus Stop D, 7 passengers alighted the bus. When the bus left Bus Stop D, there were 19 passengers on the bus. How many passengers were on the bus when it left Bus Stop A?

Ans: _____ [3]

- 11 Edward bought 150 oranges. He placed the oranges into 4 boxes. Box A had 17 more oranges than Box B. The number of oranges in Box C was twice that of Box A. Box D had 5 more oranges than Box C. How many more oranges were there in Box D than Box B?

Ans: _____ [4]

- 12 During the school CCA orientation, $\frac{1}{4}$ of the pupils chose tennis and $\frac{1}{3}$ of the pupils chose choir. The rest of the pupils chose gymnastics. The pupils were only allowed to choose one CCA. There were 36 fewer pupils who chose tennis than gymnastics. How many pupils chose tennis?

Ans: _____ [4]



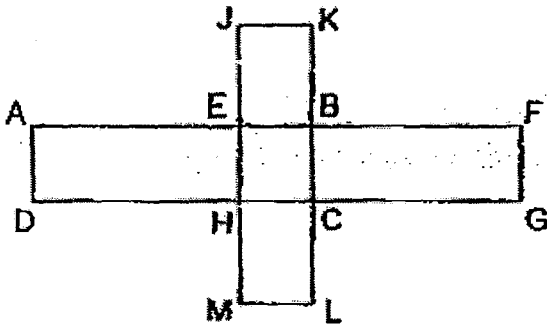
13 Jamie bought 8 cocount and 4 pineapples for a total of \$28 at a fruit stall. Each pineapple cost thrice as much as a cocount. How much did the 4 pineapples cost?

Ans: _____ [4]

14 At first, Calissa had \$1795 and Esther had \$937. Each day, Calissa spent \$28 and Esther recieved \$5 from her mother. How days did it take for them to have same amount of money?

Ans: _____ [4]

- 15 The figure below is made up of 3 identical rectangles $ABCD$, $EFGH$ and $JKLM$. The length of each rectangle is 8 cm. $EBCH$ is a square with an area of 4cm^2 . Find the area of the figure.



Ans: _____ [4]

- 16 Mrs Choo has a sum of money. She can use all her money to buy either 6 identical blouses or 10 identical T-shirts. A blouse costs \$8 more than a T-shirt. How much money does Mrs Choo have?

Ans: _____ [5]

- 17 Lizzy, Bee Xing and Fazilah collected stamps. Bee Xing and Fazilah had $\frac{8}{11}$ of the number of stamps that Lizzy had and Bee Xing had $\frac{1}{3}$ of what Fazilah had. Fazilah had 36 more stamps than Bee Xing.
- (a) How many stamps did Bee Xing have?
- (b) How many more stamps did Lizzy have than Fazilah?

Ans: (a) _____ [3]

(b) _____ [2]

18 A muffin shop sold durian muffins at \$3.20 each and banana muffins at \$1.20 each. Daisy bought some durian muffins and Betty bought some banana muffins from the muffin shop. Daisy spent \$6.80 more than

(a) How many durian muffins did Daisy buy?

(b) How much did Betty spend on banana muffins?

Ans: (a) _____ [3]

(b) _____ [2]

END OF PAPER

**NANYANG PRIMARY SCHOOL
FIRST CONTINUAL EXAMINATION
2015 PRIMARY 5 MATHEMATICS
PAPER 1**

1) 3 2) 3 3) 2 4) 2 5) 3 6) 3 7) 4 8) 2 9) 1
10) 2 11) 4 12) 4 13) 2 14) 4 15) 1

16) 8

17) 1, 3, & 9

18) $67/9$

19) $8/1/8$

20) $6/2/3$

21) 128°

22) H & E

23) 10.0

24) 79.25

25) 7000

26) $4/7 \times 1652 = 944$ fiction books

27) $\$7 - \$3 = \$4$

$$\$7 \times 4 = \$28$$

$$\$4 \times 9 = \$36$$

$$\$28 + \$36 = \$64$$

$$\$64 \div 2 = \$32 \text{ per person}$$

28) Multiples of 8 : 8, 16, 24, 32, 40, 48...

Multiples of 7 : 7, 14, 21, 28, 35, 42, 49...

Ans : 48 chairs

29) $6u - \$3588 - \$168 = \$3420$

$$1u - 1/6 \times \$3420 = \$570$$

30) $2u - 84$

$$5u - 5/2 \times 84 = 210 \text{ stamps at first}$$

PAPER 2

1) $96 + 42 \times (18 - 16) \div 4 = 117$

2) $44 - 13 - 13 = 18$
 $18 \div 2 = 9 \text{ m}$

3) Number of intervals = $10 - 1 = 9$
 Number of trees = $10 - 2 = 8$
 $8 \times 2 = 16$
 $124 - 16 = 108$
 $108 \div 9 = 12 \text{ m}$

4) $1/5 \times 2 = 2/5$
 $9/10 - 2/5 = 1/2 \text{ km}$

5) 4, 5 & 6

6a) Cost of 18 files = $18 \times \$11 = \198

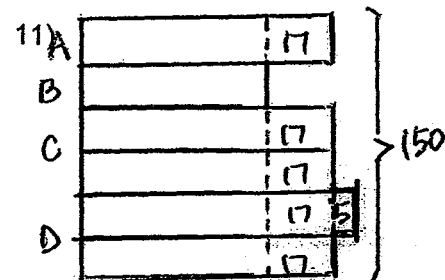
b) Cost of 5 dictionaries = $\$323 - \$198 = \$125$
 Cost of 1 dictionary = $\$125 \div 5 = \25

7) $46 - 18 = 28$
 $28 \div 4 = 7$
 $18 - 7 = 11 \text{ years ago}$

8) Angle RAB = Angle DAT = $180^\circ - 90^\circ - 58^\circ = 32^\circ$
 Angle TAX = $32^\circ \div 2 = 16^\circ$
 Angle XAB = $90^\circ - 32^\circ - 16^\circ = 42^\circ$

9) $32 \div 4 = 8$
 $25 = 5 \times 5$
 $5 + 8 = 13 \text{ cm}$

10) $19 + 7 = 26$
 $26 \times 2 = 52$
 $52 + 6 = 58$
 $58 - 8 = 50 \text{ passengers}$



$17 \times 5 = 85$
 $150 - 85 - 5 = 60$
 $60 \div 6 = 10$
 $10 + 17 + 17 + 5 = 49 \text{ more oranges in Box D than Box B}$

12) Tennis = $\frac{1}{4} = \frac{3}{12}$

Choir = $\frac{1}{3} = \frac{4}{12}$

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

$2u = 36$

$3u = \frac{3}{2} \times 36 = 54$ pupils chose tennis

13) $4 \times 3 = 12$

$12 + 8 = 20$

$\$28 \div 20 = \1.40

Cost of 4 pineapples = $4 \times \$1.40 \times 3 = \16.80

14) $\$1795 - \$937 = \$858$

$\$28 + \$5 = \$33$

$\$858 \div \$33 = 26$ days

15) $4 = 2 \times 2$

$8 - 2 = 6$

$6 \times 2 = 12$

$12 \times 2 = 24$

$8 \times 2 = 16$

$24 + 16 = 40$ sq cm

16) 4 T-shirts = $\$8 \times 6 = \48

1 T-shirt = $\$48 \div 4 = \12

Amount of money Mrs Choo has = $\$12 \times 10 = \120

17) B:F:L = 8:11

B:F = 1:3 = 2:6

$4u = 36$

a) $2u = \frac{2}{4} \times 36 = 18$ stamps

b) $5u = \frac{5}{4} \times 36 = 45$ stamps

18) $6 \times \$1.20 = \7.20

$\$7.20 + \$6.80 = \$14$

$\$3.20 - \$1.20 = \$2$

a) $\$14 \div \$2 = 7$ durian muffins

$7 + 6 = 13$

b) $13 \times \$1.20 = \15.60