



**AI TONG SCHOOL**

**2011**

**CONTINUAL ASSESSMENT 1**

**PRIMARY 4**

**MATHEMATICS**

**DURATION : 1 h 45 min**

**DATE : 1 March 2011**

**INSTRUCTIONS**

**Do not open the booklet until you are told to do so.**

**Follow all instructions.**

**Answer all questions.**

**Name : \_\_\_\_\_ ( )**

**Class : Primary 4 \_\_\_\_\_**

<b>Parent's Signature :</b> _____
<b>Date :</b> _____

<b>Marks</b>	<b>100</b>
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**Section A**

Questions 1 to 14 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 with a 2B pencil.

(28 marks)

- 1 In 31 506, what does the digit '1' stand for?
- (1) 10 000
  - (2) 1000
  - (3) 100
  - (4) 10
- 2 How many hundreds are there in 52 300?
- (1) 5230
  - (2) 523
  - (3) 3
  - (4) 23
- 3 What is seventy thousand and eighteen in numerals?
- (1) 7008
  - (2) 7018
  - (3) 70 080
  - (4) 70 018
- 4 Which of the following when rounded off to the nearest hundred is 1300?
- (1) 1248
  - (2) 1276
  - (3) 1350
  - (4) 1393

5 Express  $3\frac{1}{4}$  as an improper fraction.

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

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

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

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

6



What fraction of the total number of shapes are heart shapes?

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

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

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

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

7

Find the difference between  $3\frac{1}{2}$  and  $1\frac{5}{6}$  in its simplest form.

(1) 1

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

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

(4)  $5\frac{1}{3}$

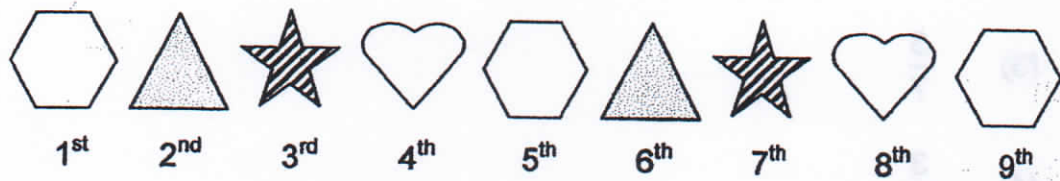
- 8 When a number is divided by 9, it has a quotient of 347 and a remainder of 3.  
Find the number.

- (1) 3120
- (2) 3123
- (3) 3126
- (4) 3150

- 9 Find the sum of the seventh multiple of 6 and the fifth multiple of 9.

- (1) 42
- (2) 45
- (3) 54
- (4) 87

10



If this pattern continues, what will the 18<sup>th</sup> shape be?

- (1)
- (2)
- (3)
- (4)

11 What is the product of 48 and 237?

- (1) 2844
- (2) 9926
- (3) 10 276
- (4) 11 376

12  $87 \times 52$  is the same as  $87 \times 50 +$  \_\_\_\_\_.

- (1)  $1 \times 52$
- (2)  $2 \times 52$
- (3)  $1 \times 87$
- (4)  $2 \times 87$

13 The figure shown is made up of equal-sized triangles. How many more triangles must be shaded so that  $\frac{5}{6}$  of the figure will be shaded?



- (1) 7
- (2) 2
- (3) 9
- (4) 10

14 There are 40 children in a class. If  $\frac{3}{5}$  of the children are boys, how many girls are there in the class?

- (1) 11
- (2) 16
- (3) 24
- (4) 37

**Section B**

Questions 15 to 34 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(40 marks)

15 What is 10 000 less than 99 074?

Ans: \_\_\_\_\_

16 Form the biggest even number with all the given digits:

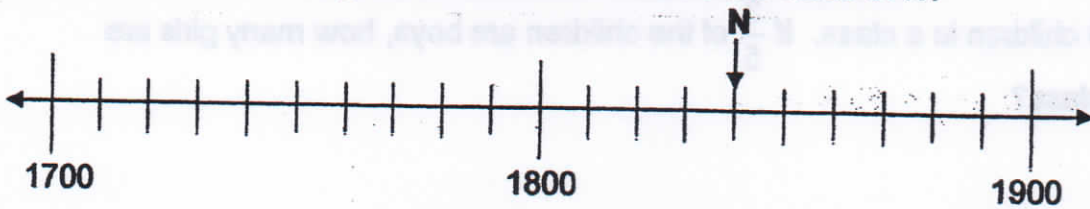


Ans: \_\_\_\_\_

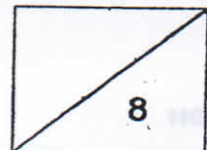
17 Write 45 619 in words.

Ans: \_\_\_\_\_  
\_\_\_\_\_

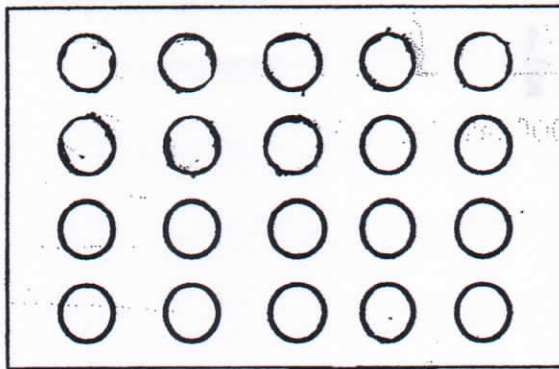
18 N is a number on the given number line. What is the value of N?



Ans: \_\_\_\_\_



- 19 Shade circles to show that  $\frac{2}{5}$  of the set is shaded.



- 20 Express  $\frac{40}{6}$  as a mixed number in its simplest form.

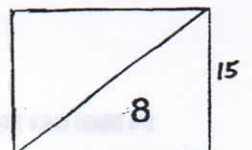
Ans: \_\_\_\_\_

- 21  $3 + \frac{2}{3} + \frac{5}{6} =$  \_\_\_\_\_. Give your answer in the simplest form.

Ans: \_\_\_\_\_

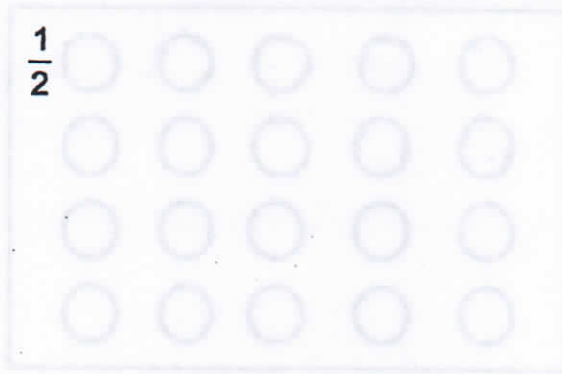
- 22 What is  $\frac{6}{7}$  of 63?

Ans: \_\_\_\_\_



- 23 Arrange the following fractions from the smallest to the greatest:

$$\frac{3}{4}, \frac{5}{8}, \frac{1}{2}$$



Ans: \_\_\_\_\_

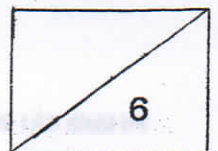
- 24 A whole number is 150 when rounded off to the nearest ten. What is the **biggest** possible value of the number?

Ans: \_\_\_\_\_

- 25 I am an odd 5-digit whole number made up of different digits. The digit in the ones place is 9. My ten thousands digit is 4 less than the ones digit. My thousands digit is 4 times the hundreds digit. My hundreds digit is twice the tens digit. What number am I?

				9
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Ans: \_\_\_\_\_





26 Write down one common factor of 12, 36 and 54 which is not a multiple of 2.

Ans: \_\_\_\_\_

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27 Three similar books cost as much as four similar pens. If the three books cost \$60, find the cost of 1 pen.

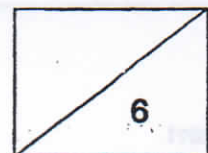
Ans: \$ \_\_\_\_\_

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28 A shopkeeper wants to pack greeting cards into boxes of 9 cards each. If he has 5483 cards, how many such boxes of 9 cards can he pack?

Ans: \_\_\_\_\_

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29 The sum of two numbers is 510. If the bigger number is 5 times the smaller number, what is the smaller number?

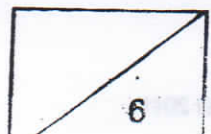
Ans: \_\_\_\_\_

30 There are 126 rows of seats in a movie theatre. Each row has 75 seats. 232 seats are not occupied. How many seats are occupied?

Ans: \_\_\_\_\_

31 Mrs Toh had 4 red pens and 5 blue pens at first. Later, she bought 3 blue pens. In the end, what fraction of her pens were blue ones? State your answer in the simplest form.

Ans: \_\_\_\_\_



- 32 4 boys and 5 girls are folding paper stars. The 4 boys fold as many paper stars as the 5 girls. If they fold a total of 2000 paper stars, how many paper stars does each boy fold?

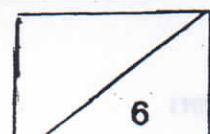
Ans: \_\_\_\_\_

- 33  $\frac{3}{8}$  of the children in the Art Club are girls and the rest are boys. If there are 30 girls in the club, how many boys are there in the club?

Ans: \_\_\_\_\_

- 34 Janice's age is a multiple of 7. Next year, her age will be a multiple of 4. If Janice is less than 40 years old, how old is she now?

Ans: \_\_\_\_\_ years old



**Section C**

Questions 35 to 38 carry 3 marks each. Questions 39 to 43 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided. (32 marks)

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35 Jia Jia has 4 times as many stamps as Ryan. If Jia Jia has 705 more stamps than Ryan, how many stamps do they have altogether?

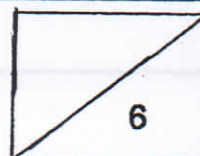
Ans: \_\_\_\_\_ [3]

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36 The sum of all the factors of 45 is the 3<sup>rd</sup> multiple of a number. What is the number?

Ans: \_\_\_\_\_ [3]

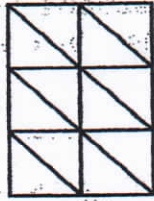
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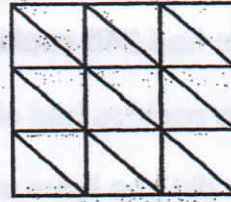
37 Study the pattern below.



Pattern 1



Pattern 2



Pattern 3

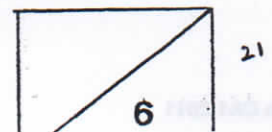
- (a) How many triangles will there be in Pattern 4?  
 (b) Which pattern will have 126 triangles?

Ans: (a) \_\_\_\_\_ [ 1 ]

(b) \_\_\_\_\_ [ 2 ]

- 38 Shanti is reading her favourite storybook. She realizes the product of the two page numbers facing each other is 420. What are the page numbers that she is reading now?

Ans: \_\_\_\_\_ and \_\_\_\_\_ [ 3 ]



39 Mrs Lim baked some cookies. She gave  $\frac{1}{4}$  of the cookies to her neighbour and  $\frac{1}{6}$  of them to her sister. She had 245 cookies left.

(a) What fraction of the cookies had she left?

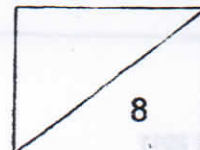
(b) How many cookies did she have at first?

Ans : (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]

40 Postman Sammy delivered an equal number of letters every day from Monday to Wednesday. He delivered 192 letters each on Thursday and Friday. Altogether, he delivered a total of 1104 letters from Monday to Friday. How many letters did Sammy deliver on Monday?

Ans : \_\_\_\_\_ [4]



- 41 At a party, there were thrice as many adults as boys and twice as many boys as girls. There were 88 more adults than boys.
- (a) How many more adults than girls were there at the party?
- (b) How many people were there altogether at the party?

Ans: (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]

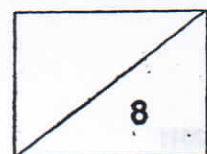
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- 42 A file and a pen cost \$13. If Peter bought 2 files and 4 pens for \$44, find the cost of one pen.



Ans: \_\_\_\_\_ [4]

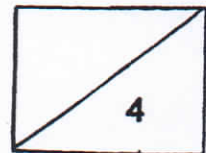
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- 43 Eugene had 60 more marbles than Sharon at first. After Sharon threw 12 marbles away, Eugene had thrice as many marbles as Sharon. How many marbles did Eugene have at first?

Include a clearly labelled model as part of your method.

Ans: \_\_\_\_\_ [4]



**End-of-paper**

Please check your work carefully.





# ANSWER SHEET

## EXAM PAPER 2011

SCHOOL : AITONG PRIMARY  
 SUBJECT : PRIMARY 4 MATHEMATICS

TERM : CA1

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

15)89074      16)97412      17)forty-five thousand, six hundred and nineteen

18)1840      19)       20) $6\frac{4}{6} = 6\frac{2}{3}$       21) $4\frac{1}{2}$       22)54

23) $\frac{1}{2}, 5/8, \frac{3}{4}$       24)154      25)58219      26)3

27)\$15      28)609      29)85      30)9218

31) $8/12 = 2/3$       32)250      33)50      34)35

35) $705 \div 3 = 235$   
 $235 \times 4 = 940$   
 $940 + 235 = 1175$       36)26      37)a)24  
 b)Pattern 21

38)20 and 21      39)a) $\frac{1}{4} + \frac{1}{6} = \frac{3}{12} + \frac{2}{12} = \frac{5}{12}$   
 $\frac{12}{12} - \frac{5}{12} = \frac{7}{12}$   
 b)1unit  $\rightarrow$  35  
 12inits  $\rightarrow$  420cookies

40) $192 \times 2 = 384$   
 $1104 - 384 = 720$   
 $720 \div 3 = 240$  letters      41)a)110      42)\$9  
 b)198

43) $2u = 12 + 60 = 72$   
 $1u = 72 \div 2 = 36$   
 At first (E) =  $36 \times 3 = 108$  marbles