



# AI TONG SCHOOL

## 2010 CONTINUAL ASSESSMENT 2

PRIMARY 4

**MATHEMATICS**

**DURATION : 1 h 45 min**

**DATE : 31 August 2010**

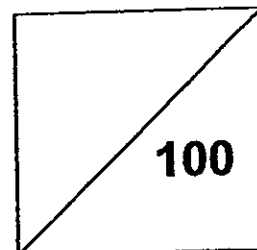
### INSTRUCTIONS

Do not open the booklet until you are told to do so.  
Follow all instructions.  
Answer all questions.

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

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

**Marks:**



**Parent's Signature** : \_\_\_\_\_

**Date** : \_\_\_\_\_

### 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)

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1 What is the value of the digit 4 in 91 245?

- (1) 40
- (2) 400
- (3) 4000
- (4) 40 000

2 The product of two numbers is 1690. One of the numbers is 5. What is the other number?

- (1) 338
- (2) 342
- (3) 1685
- (4) 8450

3  $4 + \boxed{\phantom{00}} = \frac{38}{9}$

What is the missing fraction in the box?

- (1)  $\frac{1}{9}$
- (2)  $\frac{2}{9}$
- (3)  $\frac{3}{9}$
- (4)  $\frac{4}{9}$

4. What does  $10 + 8 + 0.06$  equal to?

- (1) 10.86
- (2) 18.06
- (3) 18.6
- (4) 18.86

5. Express 21 fifths as a decimal.

- (1) 0.21
- (2) 0.42
- (3) 2.1
- (4) 4.2

6. Which one of the following decimals is the greatest?

- (1) 3.5
- (2) 3.15
- (3) 3.115
- (4) 3.511

7. What is the sum of the second and fifth multiples of 7?

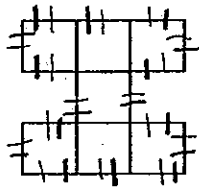
- (1) 19
- (2) 49
- (3) 63
- (4) 98

- 8 A decimal is 800.67 when rounded off to 2 decimal places. What could the original decimal be?
- (1) 800.656
  - (2) 800.663
  - (3) 800.666
  - (4) 800.675
- 9 When a number is divided by 9, the quotient is 678 and the remainder is 3. What is this number?
- (1) 2034
  - (2) 2043
  - (3) 6105
  - (4) 6129
- 10 How many sixths are there in  $\frac{17}{3}$ ?
- (1) 20
  - (2) 23
  - (3) 34
  - (4) 102
- 11 Shelly had \$162. She spent  $\frac{5}{9}$  of it on a meal. How much did she have left?
- (1) \$32.40
  - (2) \$40.50
  - (3) \$72.00
  - (4) \$90.00

- 12 The sum of two numbers is 840. The difference between the two numbers is 120. What is the bigger number?
- (1) 360
  - (2) 480
  - (3) 540
  - (4) 720

- 13 A decimal is between 622.1 and 622.2. The value of the digit 3 is 0.03. The digit 4 stands for 0.004. What is the decimal?
- (1) 622.134
  - (2) 622.143
  - (3) 622.234
  - (4) 622.243

- 14 The figure below, not drawn to scale, is made up of seven 3-cm squares. Find the perimeter of the figure.



- (1) 30 cm
- (2) 36 cm
- (3) 42 cm
- (4) 48 cm

**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)

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15 Write sixty-six thousand and fourteen in numerals.

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

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16 Find the quotient when 5608 is divided by 4.

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

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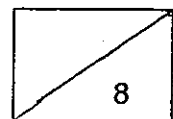
17 Oranges are sold at 3 for \$2. How many oranges can you buy with \$40?

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

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18 Find all the common factors of 4 and 8.

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



19 Complete the following number pattern:

31, 67, 139, 283, \_\_\_\_\_, 1147

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

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20 What is the sum of all the common factors of 18 and 24?

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

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21 Express 22.02 as a mixed number in its simplest form.

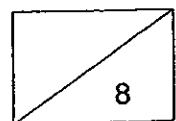
Ans: \_\_\_\_\_

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22 40 pupils sat for a test. 4 of them failed. What fraction of the pupils passed the test? Give your answer in the simplest form.

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

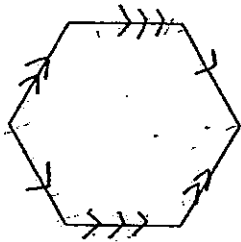
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- 23 Jake has 130 stamps. Sean has 140 stamps. How many stamps must Sean give to Jake so that Jake has twice as many stamps as Sean?

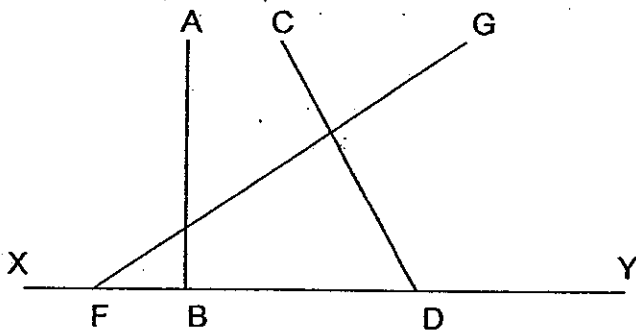
Ans: \_\_\_\_\_

- 24 How many pairs of parallel lines are there in the figure below?

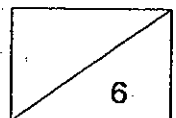


Ans: \_\_\_\_\_

- 25 In the figure below, which line is perpendicular to line XY?

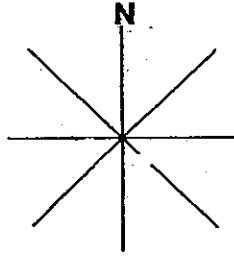


Ans: \_\_\_\_\_



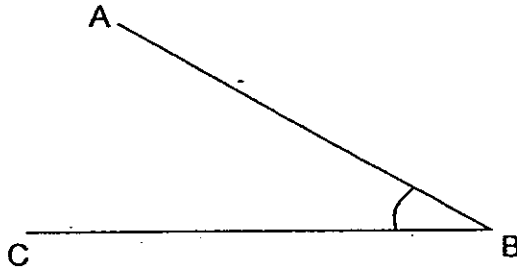


- 26 The diagram below is not drawn to scale. Sue is facing west. She turns  $135^\circ$  in an anti-clockwise direction. In which direction is she facing now?



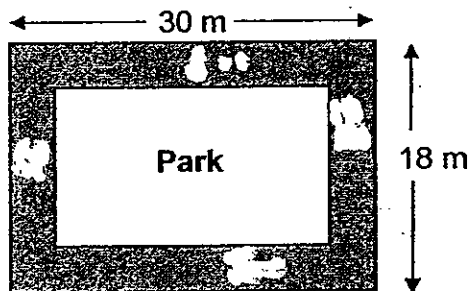
Ans: \_\_\_\_\_

- 27 Measure and write down the size of  $\angle ABC$ .

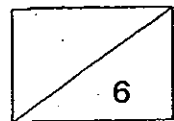


Ans: \_\_\_\_\_

- 28 A rectangular park as shown below is surrounded by a path 1.5 m wide. Find the area of the path.



Ans: \_\_\_\_\_  $\text{m}^2$



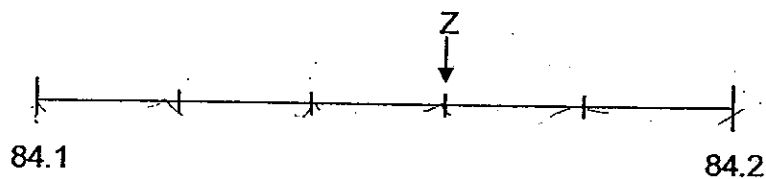
29 A rectangular field has a perimeter of 138 m. If its length is 45 m, find its area.

Ans: \_\_\_\_\_ m<sup>2</sup>

30 Alvin read 30 books in 3 months. Each month after the first month, he read 6 more books than the month before. How many books did he read in the first month?

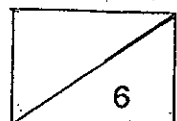
Ans: \_\_\_\_\_

31 Study the number line below.



What is the value represented by Z?

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



- 32 Mandy had 36 more sweets than Sally at first. After Sally had eaten 10 of her sweets, Mandy had three times as many sweets as Sally. How many sweets did Mandy have at first?

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

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- 33 Ali and Raj have a total of \$368. Raj has 3 times as much money as Ali. How much more does Raj have than Ali?

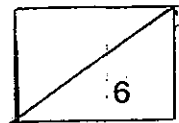
Ans: \$ \_\_\_\_\_

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- 34 Li Peng had 6 daisies and 8 roses at first. Later, she bought another 4 roses. What fraction of her flowers are now roses? State your answer in the simplest form.

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

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**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 There was an equal number of men and women at a party at first. After 30 men had left the party, there were twice as many women as men. Find the total number of men and women at first.

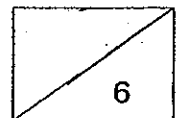
Ans: \_\_\_\_\_ [ 3 ]

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- 36 Caleb, Daisy and Nick had a total of \$90. Daisy had \$26.70. Nick had \$3.50 more than Daisy. How much did Caleb have?

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

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- 37 Mr Ahmad had \$150. He bought 8 calculators and had \$ 22 left. How much did each calculator cost?

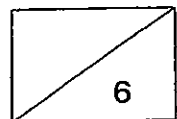
Ans: \_\_\_\_\_ [ 3 ]

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- 38 A dress costs 3 times as much as a shirt. If each dress costs \$144, find the cost of one dress and 12 shirts.

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

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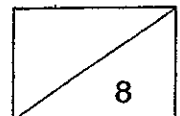
- 39 Ally had 96 stamps. She gave  $\frac{3}{8}$  of them to her friend and  $\frac{1}{4}$  of them to her sister.
- (a) What fraction of the stamps did Ally give away?
- (b) How many stamps had Ally left?

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

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

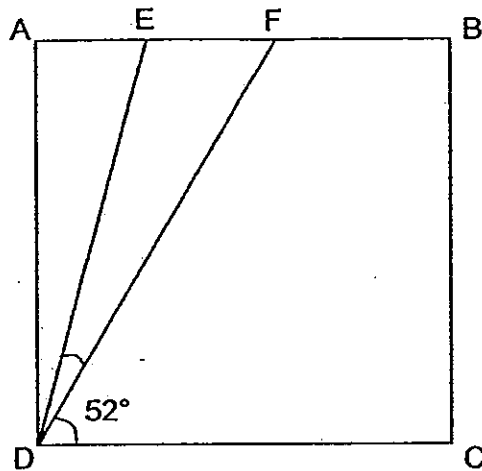
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- 40 Mr Lim had 480 apples. He sold  $\frac{1}{2}$  of the apples and threw away  $\frac{1}{12}$  of the apples as they were rotten. He then packed the rest of the apples equally into 4 boxes. How many apples were there in each box?

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



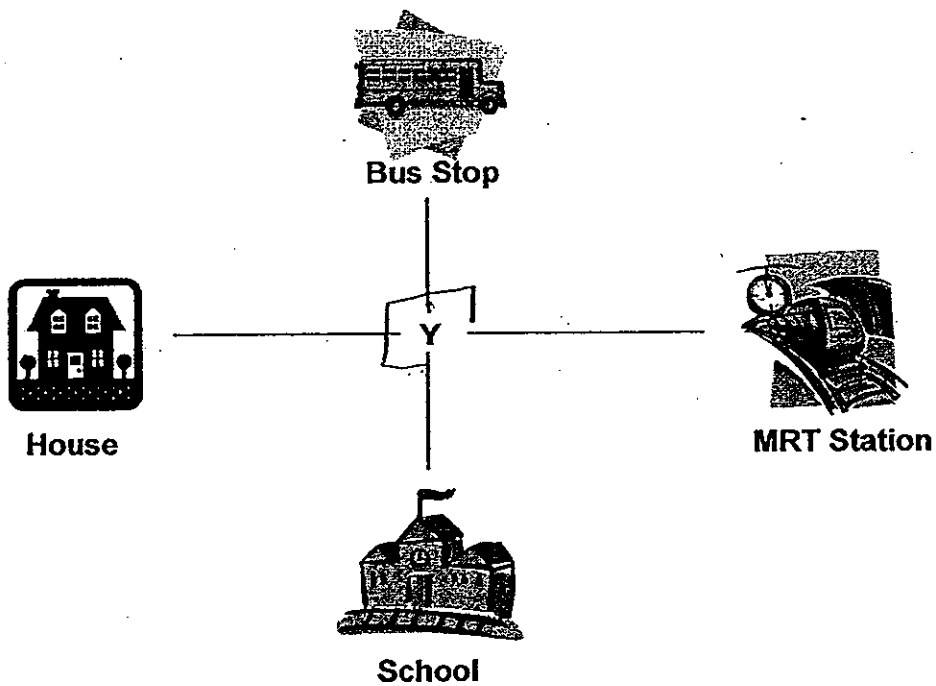
41. The figure below is not drawn to scale. ABCD is a square.  $\angle FDC = 52^\circ$ .  
 $\angle ADE$  and  $\angle EDF$  are equal.

(a) Find  $\angle EDF$ .

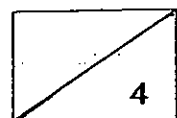


Ans: (a) \_\_\_\_\_ [ 3 ]

(b) Meimei is at point Y and facing the school. When Meimei makes a  $\frac{3}{4}$ -turn in a clockwise direction, which location will she be facing?



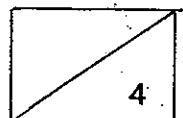
Ans: (b) \_\_\_\_\_ [1]



42 A magazine and a book cost \$10.20. Jill bought 2 magazines and 4 books for ~~\$44.40~~. Find the cost of a book.

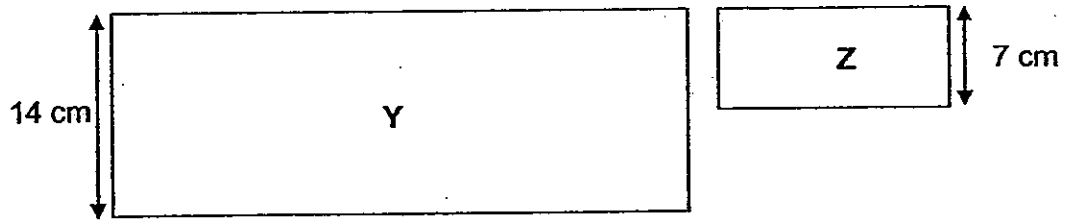
\$ 32.40

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





- 43 The diagrams below show Rectangles Y and Z. The perimeter of Rectangle Y is 5 times that of Rectangle Z. If the area of Rectangle Z is  $91 \text{ cm}^2$ , find the length of Rectangle Y.

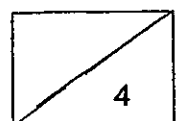


Ans: \_\_\_\_\_ [4]

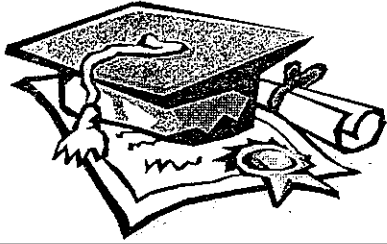
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**End-of-paper**

Please check your work carefully.





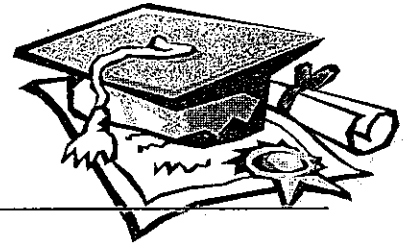


# ANSWER SHEET

**EXAM PAPER 2010**

**SCHOOL : AITONG PRIMARY**  
**SUBJECT : PRIMARY 4 MATHEMATICS**

**TERM : CA2**



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

- 15)66014                      16)1402                      17)60                      18)1,2,4                      19)571
- 20)12                              21)22 $\frac{1}{50}$                       22)9/10                      23)50                              24)3
- 25)AB                              26)South-east                      27)30°                      28)135m<sup>2</sup>                      29)1080m<sup>2</sup>
- 30)4                                  31)84.16                      32)69                              33)\$184                              34)2/3

35)1u = 30  
30 x 4 = 120

36)\$26.70 + \$3.50 = \$30.20  
\$30.20 + \$26.70 = \$59.60  
\$90 - \$59.60 = \$33.10

37)\$150 - \$22 = \$128  
\$128 ÷ 8 = \$16

38)3u → 144  
\$144 x 5 = \$720

39)a)  $\frac{3}{8} + \frac{1}{4} = \frac{3}{8} + \frac{2}{8} = \frac{5}{8}$   
b)  $\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$   
96 ÷ 8 = 12  
12 x 3 = 36

40)  $\frac{1}{2} + \frac{1}{12} = \frac{6}{12} + \frac{1}{12} = \frac{7}{12}$   
 $\frac{12}{12} - \frac{7}{12} = \frac{5}{12}$   
480 ÷ 12 = 40  
40 x 5 = 200  
200 ÷ 4 = 50

41)a)  $90^\circ - 52^\circ = 38^\circ$   
 $38^\circ \div 2 = 19^\circ$

b) MRT Station

42)\$10.20 x 2 = \$20.40  
\$32.40 - \$20.40 = \$12.00  
\$12 ÷ 2 = \$6

43)91 ÷ 7 = 13  
13 + 7 = 20  
20 x 2 = 40  
40 x 5 = 200  
14 x 2 = 28  
200 - 28 = 172  
172 ÷ 2 = 86cm