AI TONG SCHOOL

2013

CONTINUAL ASSESSMENT 1

PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 5 March 2013

INSTRUCTIONS

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

Name : _____ ( )

Class : Primary 4 _____

Section A	/28
Section B	/40
Section C	/32
Total	/100

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 In the number 46 592, what is the value of the digit 4?

(1) 40 ones

(2) 40 tens

(3) 40 hundreds

(4) 40 thousands

2 14 thousands, 2 tens and 16 ones is _____.

(1) 14 016

(2) 14 036

(3) 14 216

(4) 14 306

3 Which of the following is the best estimate of 62 x 35?

(1) 60 x 30

(2) 60 x 40

(3) 70 x 30

(4) 70 x 40

4 Which of the following numbers when rounded off to the nearest ten is 78 300?

(1) 78 354

(2) 78 305

(3) 78 296

(4) 78 246

5 What is the remainder when 1928 is divided by 6?

(1) 1

(2) 2

(3) 5

(4) 4

6 Which of the following is a multiple of both 3 and 9?

(1) 6

(2) 12

(3) 3

(4) 18

7 Which one of the letters does not have parallel lines?

(1) E

(2) M

(3) A

(4) F

8 When a number is divided by 7, it has a quotient of 423 and a remainder of 6. What is the number?

(1) 2961

(2) 2966

(3) 2967

(4) 2969

9 Mrs Goh gave her pupils 5 sweets and had 3 sweets left. If she gave each of them 4 sweets, she would have 8 sweets left over. Which of the following is a possible number of sweets she had?

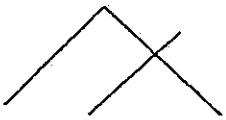
(1) 13

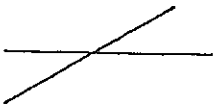
(2) 16

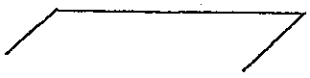
(3) 25

(4) 28

10 Which of the following figures contains both parallel and perpendicular lines?

(1) 

(2) 

(3) 

(4) 

11 A television set and a DVD player cost $3840. The television set cost four times as much as a DVD player. How much does a DVD player cost?

(1) $640

(2) $768

(3) $960

(4) $1280

12 66×55 is the same as $60 \times 55 +$ _____.

(1) 6

(2) 30

(3) 55

(4) 330

13 Express $4\frac{8}{12}$ as an improper fraction in its simplest form.

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

(2) $\frac{14}{3}$

(3) $\frac{28}{6}$

(4) $\frac{56}{12}$

14 Rajah was given 2 hours to do his Mathematics homework. He completed it $\frac{3}{8}$ hour earlier than the given time. How long did he take to complete the Mathematics homework?

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

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

(3) $1\frac{3}{8}$

(4) $1\frac{5}{8}$

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 Write 63 015 in words.

Ans _____

16 Arrange the digits 3, 0, 9, 8 and 1 to form the smallest 5-digit odd number.

Ans: _____

17 Find the sum of the **third** multiple of 6 and the **sixth** multiple of 9.

Ans: _____

18 What number is 100 more than 58 936?

Ans: _____

8

19 Express 12 fifths as a mixed number.

Ans: _____

---

20 $2 + \frac{3}{4} + \frac{5}{8} = \square$ Give your answer in the simplest form.

Ans: _____

---

21 Xiao Tong bought 6 baking pans at $39 each and an oven at $549. How much did he spend altogether?

Ans: $_____

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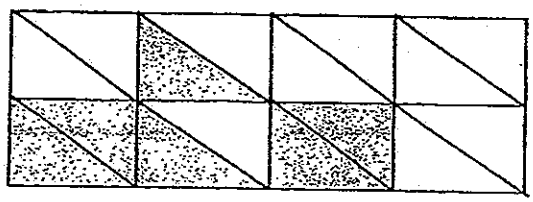
22 Find the product of 345 and 27.

Ans: _____

8

23 The figure below is made up of identical rectangles.
What fraction of the figure is **not shaded**?



Ans: _____

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24 A whole number is 300 when rounded off to the nearest hundred. What is the **greatest** possible value of the number?

Ans: _____

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25 A 2-digit number gives a remainder of 1 when divided by 3. It also gives a remainder of 3 when divided by 4. What is the **smallest** possible value of this 2-digit number?

Ans: _____

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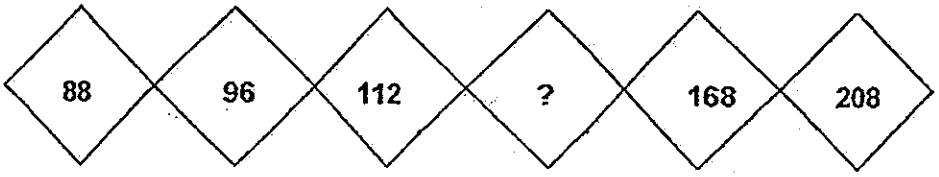
26 Look at the pattern below. What is the missing number?



Ans: _____

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27 Rashida had 30 sweets. She gave 11 sweets to each of her two sons and 3 sweets to her daughter. What fraction of her sweets had she left? Express your answer in the simplest form.

Ans: _____

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28 At a student leadership camp, some girls and boys were put into groups. In each group, there were 9 girls and 8 boys. If there were 144 girls, find the number of boys.

Ans: _____

6

29 The difference of two numbers is 36. If the bigger number is 3 times the smaller number, what is the smaller number?

Ans: _____

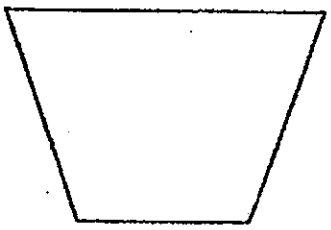
30 Mary collected 285 stamps. After she gave 53 stamps to Kelly, they had the same number of stamps. How many stamps did Kelly have at first?

Ans: _____

31 Study the figure below.

(a) How many sides does the figure have?

(b) How many angles more than 90° are there inside the figure?



Ans: (a) _____

(b) _____

6

32 Siti bought oranges at 3 for $5. What was the maximum number of oranges that she could buy with $56?

Ans: _____

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33 Bala and Cindy had the same number of pencils. Bala sold 360 pencils while Cindy sold twice as many pencils as he. If Cindy had 568 pencils left, how many pencils did Bala have at first?

Ans: _____

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34 When Gary was 6 years old, his mother was 5 times as old as he. When his mother is 40 years old, how old will Gary be?

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)

35 Mrs Tan had 2210 sweets. She gave away 24 sweets and packed the remaining sweets equally into 7 packets.
(a) How many sweets were there in each packet?
(b) How many sweets were left unpacked?

Ans: (a)_____ [2]

(b)_____ [1]

36 Andy has 220 stamps. Benny has thrice as many stamps as Andy. Casey has half as many stamps as Benny. How many stamps do the three children have altogether?

Ans: _____ [3]

6

37 The total mass of a table and a chair is $\frac{5}{6}$ kg. Given that the table weighs $\frac{7}{12}$ kg, how much heavier is the table compared to the chair?
(Express your answer in the simplest form.)

Ans: _____ [3]

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38 Mr Lim bought 4 shirts and 3 pairs of shoes for $281. Each pair of shoes cost $12 more than each shirt. What was the cost of each pair of shoes?

Ans: _____ [3]

6

39 Abbie bought some flour to make some buns. Abbie bought 1900g of flour less than Betty. Catty bought 900g of flour more than Abbie. If they bought 14 500g, how much flour did Catty buy? (Give your answer in grams)

Ans : _____ [4]

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40 Lamp-posts are placed along a road from one end to the other end at an equal distance of 2m apart from each other. The road is 32m long.

a) Find the number of lamp-posts placed along the road.
b) If each lamp-post cost $140, how much would be needed to pay for all the lamp-posts needed for the road?

Ans : (a)_____ [2]

(b)_____ [2]

8

41 A fruit stall had a total of 365 apples and oranges. There were 4 times as many apples as oranges. After 58 apples and some oranges are sold, there were twice as many apples as oranges left. How many oranges were left in the stall?

Ans: _____ [4]

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42 Xiao Tong has $\frac{4}{9}$ kg of flour. Yasmin has $\frac{8}{9}$ kg more than Xiao Tong.

a) What is the mass of Yasmin's flour?

b) After Yasmin used $\frac{1}{3}$ kg of flour and Xiao Tong bought some more flour, they have the same amount of flour in the end. How much flour did Xiao Tong buy?

_____ [1]

_____ [3]

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43 Raj bought the same number of table tennis rackets and table nets. The total cost of 3 table tennis rackets and 2 table nets was $68. The total cost of 1 table tennis racket and 2 table nets was $36. He spent a total of $130. How much does 1 racket and 1 table net cost?

Ans: _____

4

End-of-paper

Please check your work carefully.

ANSWER SHEET

EXAM PAPER 2013
SCHOOL : AI TONG
SUBJECT : PRIMARY 4 MATHEMATICS
TERM : CA1

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

Q15) Sixty-three thousand and fifteen#
Q16) 10 389
Q17) 72
Q18) 59 036
Q19) 2 2/5
Q20) 3 3/8
Q21) 783
Q22) 9315
Q23) 10/16
Q24) 349
Q25) 19
Q26) 136
Q27) 1/6
Q28) 128
Q29) 18
Q30) 179
Q31a) 4
Q31b) 2
Q32) 33
Q33) 1288
Q34) 16

Q35a) 2210 – 24 = 2186
2186 / 7 = 312 R2
Ans: 312
Q35b) Ans: 2

Q36) 220 x 3 = 660
660 / 2 = 330
660 + 330 + 220 = 1210
Ans: 1210

Q37) 5/6 – 7/12 = 3/12
7/12 – 3/12 = 4/12 = 1/3
Ans: 1/3 kg

Q38) 3 x 12 = 36
281 – 36 = 245
245 / 7 = 35
35 + 12 = 47
Ans: $47

Q39) 14500 – 900 – 1900 = 11700
11700 / 3 = 3900
3900 + 900 = 4800
Ans: 4800g

Q40a) 32 / 2 = 16
16 + 1 = 17
Ans: 17
Q40b) 140 x 17 = 2380
Ans: $2380

Q41) 365 / 5 = 73
365 – 158 = 207
207 / 3 = 69
Ans: 69 oranges

Q35
840- 49= 791
791/7= 113
113 x 8 = 904
Huixin left with $904 left

Q36
75+45=120
4u=120
1u=30
45-30=15
Zhi Hao must give Aaron 15 stickers.

Q37
3x 20=60
30x20=600
600-60=540m^2
540m^2 was the area covered by glass.

Q38
10/5=2
2x2=4
Perimeter= 10+10+4+10+10+10+10+4=68cm
The perimeter of the rectangle is 68cm

Q39
1nb= $11-$4=$7
3nb= $7x3=$21
4p+3nb= $16+$21=$37
The cost is $37.

Q40
336/4=84
84/3=28
Siti have 28 blue beads
84x3=252
252/2=126
336-126=210
She would have 210 beads left.

Q41

28/4=7
52-7-7=38
38/2=19 → m = 1
19-7=12
ED is 12cm
19x7=133
The area is 133cm

Q42
Area of A: 9x7=63
Area of B: 14x3=42
Area of C: 21x6=126
Total area: 63+42+126=231cm^2
The area of the figure is 231cm^2.

Q43
$120-$24-$24=$72
$72-$24=$48
$72+$24+$48+$24=$168
Jiale had $168 at first.

Q42a) 4/9 + 8/9 = 1 1/3
Ans: 1 1/3kg
Q42b) 2/3 x 1 1/3 = 8/9
8/9 – 4/9 = 4/9
Ans: 4/9 kg

Q43) 68 – 36 = 32
32 / 2 = 16
36 – 16 = 20
20 / 2 = 10
10 + 16 = 26
Ans: $26