AI TONG SCHOOL

2006
CONTINUAL ASSESSMENT 2
PRIMARY 3

MATHEMATICS

DURATION :   1 h 30 min

DATE   :   22 August 2006

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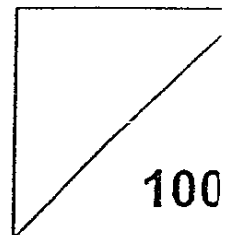Follow all instructions.
Answer all questions.

Name   : _____ (   )

Class   : Primary 3_____   Marks:

100

Parent's Signature : _____

Date   : _____

2⁹⁽ᵃ⁾

Section A

Questions 1 to 20 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.

(40 marks)

1. In 8 752, the digit 7 stands for _____.

    (1) 7 ones
    (2) 7 tens
    (3) 70 ones
    (4) 70 tens

2. 420 more than 2 500 is _____.

    (1) 2 080
    (2) 2 458
    (3) 2 542
    (4) 2 920

3. How many tens are there in 580 + 4 560?

    (1) 4
    (2) 40
    (3) 514
    (4) 5 140

4. 4 215 − 789 = _____.

    (1) 3 426
    (2) 3 434
    (3) 4 426
    (4) 4 574

30

5. What must be added to 280 to make 5 895?

      (1)   5 615

      (2)   5 620

      (3)   6 070

      (4)   6 175

6. Subtract 62 tens from 100 hundreds. The answer is _____.

      (1)   8 380

      (2)   9 380

      (3)   9 620

      (4)   9 938

7. When 7 291 is divided by 8, the **quotient** is _____.

      (1)   801

      (2)   811

      (3)   910

      (4)   911

8. 7 x 87 is _____ more than 6 x 87.

      (1)   1

      (2)   87

      (3)   522

      (4)   609

9. The product of 8 and 80 is equal to the sum of _____ and 500.

    (1)   40

    (2)   64

    (3)   140

    (4)   640

10. 10 twenty-cents coins + $52 = _____ twenty-cents coins + $50.

    (1)   2

    (2)   5

    (3)   10

    (4)   20

11. 5 pears cost $4. How much does Jim have to pay if he buys 15 pears?

    (1) $8

    (2) $12

    (3) $15

    (4) $20

12. The cost of 3 books and 2 bags is $30. If 2 bags cost $24, what is the cost of 1 book?

    (1) $2

    (2) $6

    (3) $8

    (4) $12

13. Mr Lee used 2 ℓ 839 mℓ of paint to paint a door. How much paint does he need to paint 2 doors?

    (1)   4 ℓ 669 mℓ

    (2)   4 ℓ 678 mℓ

    (3)   5 ℓ 669 mℓ

    (4)   5 ℓ 678 mℓ

14. If ♣ ♣ ♣ represent 36 stalks of flowers,

then ♣ ♣ ♣ ♣ ♣ ♣ ♣ ♣ ♣ represent _____ stalks of flowers.

    (1)   12

    (2)   72

    (3)   81

    (4)   108

15. Which fraction is **not** equivalent to $\frac{1}{3}$?
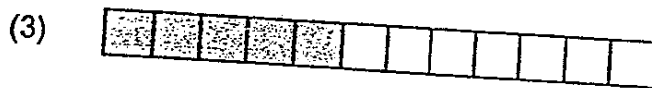
    (1) $\frac{2}{6}$

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

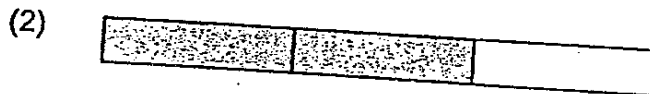   (3) $\frac{3}{9}$

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

16. $\frac{6}{12} = \frac{\square}{6}$. The missing numerator is _____.

    (1)   1

    (2)   2

    (3)   3

    (4)   4

17. Which of the following shows a fraction smaller than $\frac{2}{3}$?

    (1)

    (2)

    (3)

    (4)

18. Benny cut a cake into 8 pieces. He ate $\frac{1}{8}$ of it and gave 2 pieces to his sister. How many pieces of cakes had he left?

    (1)   4

    (2)   5

    (3)   6

    (4)   7

19. Grace bought 7 m of cloth. She used 5 m 45 cm of it to make a dress. How many centimetres of the cloth had she left?

    (1)   145 cm
    (2)   155 cm
    (3)   245 cm
    (4)   255 cm

20. 7 km 406 m + 1 km 725 m = _____

    (1)   5 km 601 m
    (2)   8 km 131 m
    (3)   8 km 481 m
    (4)   9 km 131 m

Questions 21 to 40 carry 2 marks each.

Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.
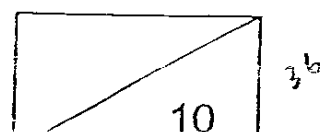
(40 marks)

21. Write in numeral, 40 hundreds 5 ones.

22. $986 = 9$ hundreds + _____ tens + 16 ones

23. The number that is 100 more than 909 is _____.

24. $4\ 856 - 2\ 200 =$ _____ + 656

25. The sum of 2 numbers is 846. The smaller number is half the bigger number. What is the bigger number?

10

26. Subtract 38 from the product of 72 and 9. The answer is _____ .

27. I am thinking of a number. When I multiply it by 6 and subtract 6 from the result, I get the answer 30. The number is _____ .

28. James saves $350 a month. Gopal saves half the amount James saves. How much do they save altogether?
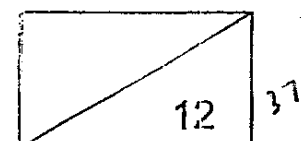
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29. If 2 kg of prawns cost $4, what is the cost of 5 kg of prawns?

$

30. $\dfrac{2}{10} + \dfrac{1}{5} + \dfrac{5}{10} =$ _____

31. What are the values of A and B?

$$\frac{1}{3} = \frac{A}{6} = \frac{4}{B}$$

A:

B:

12

32. Danny bought a pizza. He ate $\frac{2}{9}$ of the pizza and gave $\frac{2}{3}$ of it to his friend. What fraction of the pizza had he left?

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┌─────────────────────┐
│                     │
└─────────────────────┘
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The graph below shows the number of fruits sold by Mr Tang in a month. Study it carefully and answer questions 33 and 34.
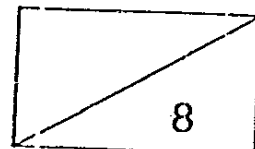
Number of fruits sold by Mr Tang	
Watermelon	☼ ☼ ☼ ☼ ☼ ☼
Papaya	☼ ☼ ☼
Jackfruit	☼ ☼
Durian	☼ ☼ ☼ ☼

Each ☼ stands for 60 fruits.

33. Mr Tang sold _____ more watermelons than jackfruits.

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┌─────────────────────┐
│                     │
└─────────────────────┘
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34. How many more durians must he sell so that the number of durians sold would be the same as the number of watermelons sold?

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┌─────────────────────┐
│                     │
└─────────────────────┘
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35. Paul swam 270 m and ran 2 km 425 m. What was the total distance he covered? Give your answer in metres.

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┌─────────────────────┐
│                   m │
└─────────────────────┘
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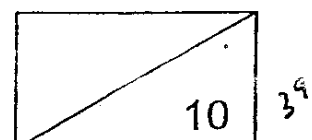
8

36. Marie cuts a ribbon into 7 equal pieces. Each piece is 45 cm long.
What is the total length of the ribbon?

	cm

37. Mrs Lee had 30 m of cloth. She used 18 m to make 6 identical shirts and
the remainder to make 3 identical pairs of pants. How much cloth would
Mrs Lee need to make 1 pair of pants?

	m

38. The capacity of a fish tank is 9 ℓ 50 $m\ell$. Alan pours 3 ℓ 800 $m\ell$ of water
into the tank. How much more water is needed to fill up the tank completely?

	$m\ell$

39. The capacity of 4 packets of milk is 1 ℓ .What is the capacity of 1 packet
of milk?

	$m\ell$

40. If ♫ + ♫ + ▼ stand for 60 balloons

and ♫ + ▼ stand for 35 balloons,

then ▼ stands for _____ balloons.

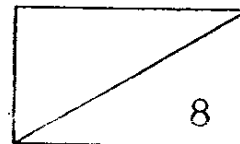|	

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Questions 41 to 45 carry 4 marks each.

Show your working clearly in the space below each question and write your answers in the spaces provided.

(20 marks)

_____

41. Mrs Siva had 8 m 60 cm of cloth. She gave 3 m 35 cm of it to her sister and cut the remaining piece of cloth into 7 equal parts. Find the length of each part.

42. There are 850 people at a concert. 370 of them are men. There are 50 more women than men. The rest are children.
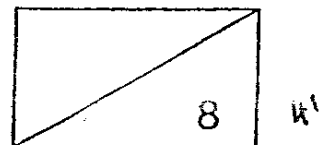
(a) How many women are there at the concert?

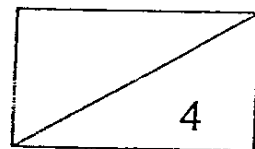(b) How many children are there at the concert?

8

40

43. Dolly sold 1 250 eggs in a month. Mary sold 362 fewer eggs than Dolly. If Carl sold twice as many eggs as Mary, how many eggs did Carl sell in a month?

44. Bottle A contains 150 m ℓ of water. When Kristy pours 22 m ℓ of water from Bottle A into Bottle B, Bottle A has twice as much water as Bottle B. How much water does Bottle B have now?

8

45. Lisa read $\frac{1}{6}$ of her book on Saturday and $\frac{1}{2}$ of it on Sunday. What fraction of her book was read?

(Give your answer in the simplest form.)

Answer Sheets
Ai Tong Pri 3 CA2 / 2006 Maths

1) 4   2) 4   3) 3   4) 1   5) 1
6) 2   7) 4   8) 2   9) 3   10) 4

11) 2   12) 1   13) 4   14) 4   15) 2
16) 3   17) 3   18) 22   19) 2   20) 4

21. 40 hundreds = 40 x 100 = 4000
    5 ones = 5 x 1 = 5
    4000 + 5 = 4005

22. 986 = 9 hundreds + 7 tens + 16 ones
    9000 + 70 + 16 = 986

23. 100 + 909 = **1009**

24. $4856 - 2200 = \underline{\textbf{2000}} + 656$
    2656   2656

25. Big number = 1 unit
    Small number = $1\frac{1}{2}$ unit
    $846 \div 1\frac{1}{2} = \underline{\textbf{564}}$

26. 72 x 9 = 648
    648 − 38 = **610**

27. 6 x **6** = 36
    36 − 6 = 30

28. James = $350
    Gopal = $350 ÷ 2 = $175
    $(350 + 175) = **$525**

29. 2 kg = $4.00
    1 kg = $2.00
    5 kg = 5 x $2.00 = **$10.00**

30. $\dfrac{2}{10} + \dfrac{1}{5} + \dfrac{5}{10} = \dfrac{7}{10} + \dfrac{2}{10}$
    $= \dfrac{9}{10}$

31. $\dfrac{1}{3} = \dfrac{2}{6} = \dfrac{4}{12}$
    A = **2**   B = **12**

32. $\dfrac{2}{9} + \dfrac{2}{3} = \dfrac{24}{27}$
    $1 - \dfrac{24}{27} = \dfrac{3}{27} = \dfrac{1}{9}$

33. Watermelons = 7 x 60 = 420
    Jackfruits = 2 x 60 = 120
    420 − 120 = **300** more watermelons

34. Watermelons = 420
    Durians = 4 x 60 = 240
    420 − 240 = **180 durians**

35. Ran = 2km 425m = 2425m
    Swan = 270m
    2425 + 270 = **2695m**

36. 7 pieces x 45 m = 315cm

37. 30m - 18m = 12m
    3 pants = 12m
    1 pant = **4m**

38. 9ℓ 50mℓ = 9050mℓ
    3ℓ 800mℓ = 3800mℓ
    9050 − 3800 = **5250mℓ**

39. 1ℓ = 1000mℓ
    4 packets = 1000mℓ
    1 packet = **250mℓ**

40. ♫ + ♫ + ▼ = 60
    ♫ + ▼ = 35
    ♫ = 60 − 35 = 25
    ▼ = (35 − 25) = **10**

41. 8m 60cm = 860cm
    3m 35cm = 335cm
    (860 − 335)cm = 525cm
    525cm ÷ 7 = 75cm

    Each part is **75cm**.

42a. Women = 370 + 50
            = **420**

  b. Children = 850 − 370 − 420 = **60**

43. Dolly = 1250eggs
    Mary = 1250 − 362 = 888eggs
    Carl = 888 x 2 = 1776 eggs

    Carl sold **1776 eggs**.

44. Bottle A = 150mℓ
           = 150mℓ − 22mℓ
           = 128mℓ
    Bottle B = 128m ÷ 2
           = 64mℓ

    Bottle B has **64mℓ**

45. Saturday = $\dfrac{1}{6}$

    Sunday = $\dfrac{1}{2}$

    $$\dfrac{1}{6} + \dfrac{1}{2} = \dfrac{3}{6} + \dfrac{1}{6}$$

    $$= \dfrac{4}{6}$$

    $$= \underline{\dfrac{2}{3}}$$

    Lisa read $\underline{\dfrac{2}{3}}$ of her book