Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 2 (2006)
PRIMARY 3

MATHEMATICS
BOOKLET A

Tuesday   31 October 2006   1 hour 45 minutes

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Follow all instructions carefully.

There are 20 questions in this booklet.

Answer ALL questions.

Name:...(   )

Class:................

Parent's Signature :_____

This question paper consists of 6 printed pages. (Inclusive of cover page)

ACS (J) P3 MA SA2 2006

Section A (20 x 2 marks each)

For each of the following questions, four options are given. Choose the correct answer (1, 2, 3 or 4) and shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1.   45 hundreds, 2 tens and 37 ones is the same as _____.

     (1)   489
     (2)   507
     (3)   45 39
     (4)   45 57

2.   Find the sum of 476 and 2 087. From the answer, which digit is in the hundreds place?

     (1)   6
     (2)   2
     (3)   3
     (4)   5

3.   Mrs Tan sold 385 fishballs. Mrs Li sold 94 fewer fishballs than Mrs Tan. How many fishballs did both of them sell altogether?

     (1)   291
     (2)   479
     (3)   676
     (4)   864

4.   If $8 \times 67 = 536$

Then $536 - 67 - 67 = \boxed{} \times 67$

What is the missing number in the box?

     (1)   10
     (2)   2
     (3)   6
     (4)   8

5. Fiona and Kelly baked 120 cookies altogether. If Kelly baked half as many cookies as Fiona, how many cookies did Fiona bake?

   (1) 30
   (2) 40
   (3) 60
   (4) 80

6. Which one of the following has a remainder which is an even number?

   (1) 26 ÷ 7
   (2) 33 ÷ 6
   (3) 39 ÷ 5
   (4) 41 ÷ 4

7. Mr Kee bought 195 pencils for his pupils. He gave each boy 3 pencils and each girl 2 pencils. There were 28 boys and 10 girls altogether. How many pencils did he have left?

   (1) 39
   (2) 91
   (3) 104
   (4) 190

8. After buying a storybook for $35.50 and a toy car for $22.80, John had $12.50 left. How much money had he at first?

   (1) $35.30
   (2) $45.80
   (3) $60.20
   (4) $70.80

9. Henry has 6 fifty-cent coins, 8 twenty-cent coins and 20 ten-cent coins. How much money does he have altogether?

   (1) $4.80
   (2) $5.40
   (3) $6.60
   (4) $7.00

2

Sub-Total

10   Jim had 4 km 10 m left to run in a 5 km-race. What was the distance he had run?

      (1)   90 m
      (2)   110 m
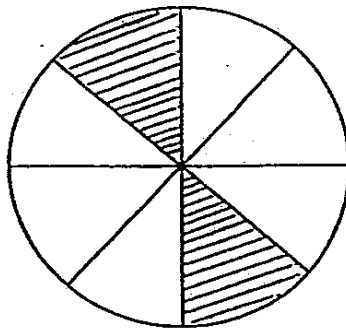   (3)   900 m
      (4)   990 m

11   Sue cut off 60 cm from a piece of ribbon which was 2 m 5 cm long. She then cut the remaining piece into 5 equal parts. What was the length of each small piece?

      (1)   29 cm
      (2)   38 cm
      (3)   145 cm
      (4)   725 cm

12.   The mass of a box of apples is 3 kg.   If the apples have a mass of 1 kg 270 g, what is the mass of the empty box?
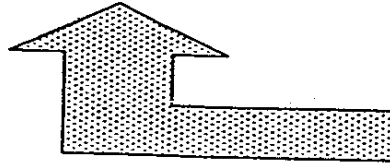
      (1)   1 kg 730 g
      (2)   2 kg 270 g
      (3)   2 kg 730 g
      (4)   4 kg 270 g

13.   How many more parts should be shaded to make the figure $\frac{3}{4}$ shaded?

      (1)   5
      (2)   2
      (3)   3
      (4)   4

14. How many angles smaller than a right angle are there inside the shaded figure?

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

15. Which of the following sets of fractions are arranged from the smallest to the greatest?

    (1) $\dfrac{3}{10}$, $\dfrac{3}{7}$, $\dfrac{3}{4}$

    (2) $\dfrac{1}{3}$, $\dfrac{1}{4}$, $\dfrac{1}{5}$

    (3) $\dfrac{2}{9}$, $\dfrac{4}{9}$, $\dfrac{1}{9}$

    (4) $\dfrac{4}{5}$, $\dfrac{4}{7}$, $\dfrac{4}{11}$

16. Henry started doing his project at 9.45 a.m. He completed it at 1.30 p.m. How long did he take to complete his project?

    (1)   3 h 45 min
    (2)   4 h 45 min
    (3)   4 h 15 min
    (4)   5 h 15 min

17. Joyce bought 4 bottles of syrup. She used 2 bottles and had 6 ℓ of syrup left. How many litres did she have at first?

    (1)   8 ℓ
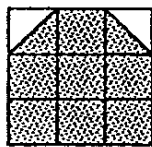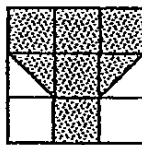
    (2)   12 ℓ

    (3)   24 ℓ

    (4)   36 ℓ

4

Sub-Total

18. Mr Fong drinks 250 mℓ of water in the morning and 400 mℓ in the afternoon. How much water will he drink in 3 days?

   (1)   650 mℓ

   (2)   750 mℓ

   (3)   1 ℓ 200 mℓ

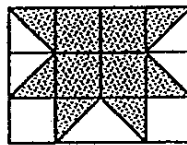   (4)   1 ℓ 950 mℓ

19. The shaded figures below are made up of 1-cm squares. Which figure has the largest area?
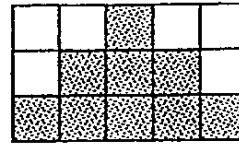

A   B   C   D
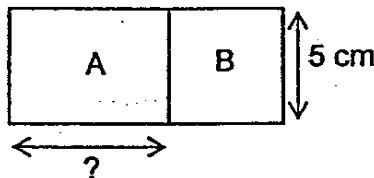
   (1)   A
   (2)   B
   (3)   C
   (4)   D

20. The figure below shows a rectangle A and a square B of side 5 cm. If the perimeter of the figure is 36 cm, what is the length of the rectangle A?

   (1)   8 cm
   (2)   9 cm
   (3)   11 cm
   (4)   16 cm

For each question, write your answer in the box provided. Give your answer in the units stated.

21. What is the missing number in the number pattern?

    2 607 , 3 707 , _____?_____ , 5 907 , 7 007

22. Subtract 1 292 from 7 005

23. If ✦ + ✦ = 32

    And ☀ + ☀ + ✦ = 50

    Then ✦ + ☀ = ?

24. Find the smallest possible value by multiplying two of the numbers and subtracting the third.

    | 5 | | 8 | | 3 |

ACS(J) P3 MA SA2 2006 CK/SL   Sub-Total

86

25. There were 76 boys and 9 dining tables. 8 boys sat at each table. How many boys did not have a place at the table?

$$\boxed{}$$

26. Three girls and two boys form a project group. If there are 120 children, how many project groups are there?
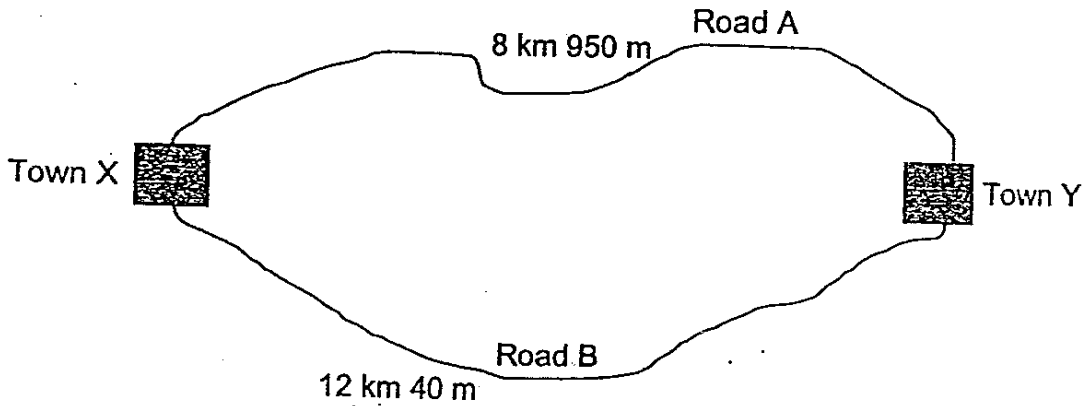
$$\boxed{}$$

27. Tom placed his stamps equally into 4 similar albums and had 7 stamps left. If he had 387 stamps altogether, how many stamps did he put in each album?

$$\boxed{}$$

28. Each time Mr Lu orders 6 cartons of milk, he will get 2 packets of Milo free. If he orders 36 cartons of milk, how many free packets of Milo will he get?

$$\boxed{}$$

29. Mr Raj had a mass of 56 kg 340 g four years ago. Now he has a mass of 62 kg. How much mass has he put on?

kg	g

37

30.

8 km 950 m   Road A

Town X

Town Y

Road B
12 km 40 m

To travel from Town X to Town Y, Mr Lee can take Road A or Road B.
How much further does he have to travel if he takes Road B?

	m

31.   Study the figures below carefully. Four girls, Lina, Kate, Pam and Nora,
are on a see-saw. Who is the heaviest?

Kate   Lina

Lina   Nora   Nora

Pam

3

Sub-Total

32. I am a fraction equivalent to $\frac{2}{5}$. If my numerator is 12, what is my denominator?

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┌─────────────────────────┐
│                         │
└─────────────────────────┘
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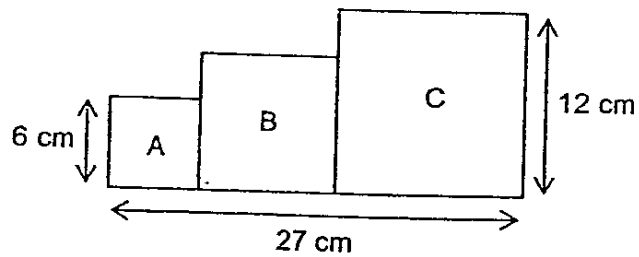
33. Mr Koh used 1ℓ 685 mℓ of paint to paint a wall. He had 500 mℓ of paint left. How much paint did he have at first?

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┌──────────────────────┐
│         ℓ       mℓ   │
└──────────────────────┘
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34. Lina was born on 1 August 1997. How old will she be on 1 March 2006?

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┌─────────────────────────────┐
│  _____ years _____ months│
└─────────────────────────────┘
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35. Jill took 1 hour 35 minutes to cook a meal. If she finished cooking at 12.15 p.m., at what time did she start cooking?

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┌──────────────────────┐
│                a.m.  │
└──────────────────────┘
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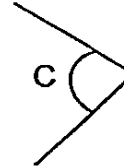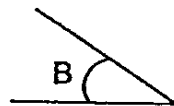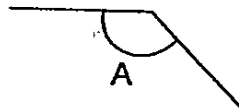
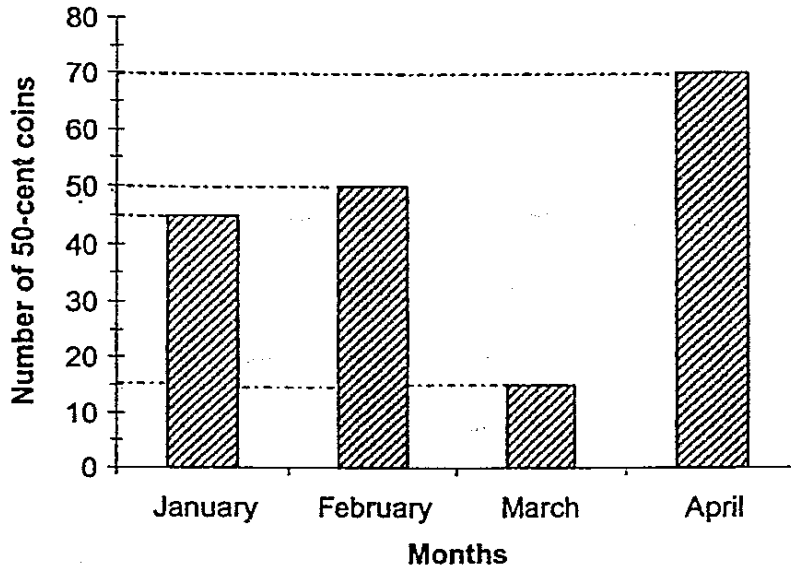36. The figure is made up of three squares. What is the area of Square B?

6 cm   A   B   C   12 cm

27 cm

	cm²

37. Arrange these angles in order. Begin with the smallest.

A   B   C

Angle _____ Angle _____ Angle _____
Smallest ──────────────→ Biggest

Sub-Total

The graph below shows the number of 50-cent coins that Jeff saved in four months. Look at the graph and answer questions 38 to 40.

38. In which month did he save 3 times as many 50-cent coins as in March?

39. How many more coins did Jeff save in April than in January?

40. How much money did he save in February?

$

4A

Section C (5 x 4 marks)

Work out the following sums carefully. Show each step of your working clearly as marks will be given for working and relevant statements.

41. Ray has 189 stickers more than David. David has 98 more stickers than Chris. Chris has 50 stickers. How many stickers does Ray have?

42. There are 1 425 passengers on an aeroplane. 587 are men. There are 94 more women than men. The rest are children. How many children are there?

Sub-Total

42

43. A glass can hold 250 mℓ of milk. A jug can hold 100 mℓ more than the glass. How much milk can 3 glasses and a jug hold?

44. Wendy took 5 hours to finish her project. Her sister took 1 hour 5 minutes less on her project. How long did Wendy and her sister take to complete their projects?

45. Mrs Smith has some two-dollar notes and five-dollar notes. She has 15 notes altogether. There are twice as many two-dollar notes as five-dollar notes. How much money does Mrs Smith have?
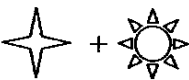
End of the paper -

9

Sub-Total

Answer Sheets
Anglo Chinese Pri 3 SA2 / 2006 Maths

1) 4	2) 4	3) 3	4) 3	5) 4
6) 3	7) 2	8) 4	9) 3	10) 4
11) 1	12) 1	13) 4	14) 2	15) 1
16) 1	17) 2	18) 4	19) 4	20) 1

21. 2607, 3707, **4807**, 5907, 7007

22. 7005 − 1292 = 5713

23. $\bigstar + \text{☀} = 16 + 17 =$ **33**

24. $8 \times 3 = 24$
    $5 \times 3 = 15$
    $24 - 15 = $ **9**

25. $76 \times 9 = 684$
    $684 \div 8 = 85 \ r4$
    4 boys did not a place at the table.

26. 3 girls + 2 boys = 1 project
    5 children = 1 project
    120 children = $120 \div 5$
    = **24 projects**

27. $387 - 7 = 380$ stamps
    $380 \div 4 = $ **95 stamps**

28. 6 cartons = 2 packets free
    36 cartons = $36 \div 6$
    = 6×2
    = **12 packets free**

29. 56kg 340g = 56340g
    62kg = 6200g
    $62000g - 56340 = 5660g$
    = **5kg 660g**

30. Road A = 8km 950m (8950m)
    Road B = 12km 40m (12040m)
    $(12040 - 8950)m = $ **3090m**

31. Pam

32. $\dfrac{2}{5} = \dfrac{12}{30}$
    Denominator = **30**

33. 1ℓ 685mℓ = 1685mℓ
    $(1685 - 500)mℓ = 1185mℓ$
    = **1ℓ 185mℓ**

34. 1 March 2006 = 01 03 2006
    1 August 1997 = 01 08 1997
    = **8 years 7 months**

35. 12.15pm = 1215 hours
    1115 to 1215 = 1 hours
    1040 to 1115 = 30 mins
    10.40am she started to cook

36. Area C (Height) = 12cm
    Area A (Height) = 6cm
    Area B (Height) = 9cm
    Area B = $9 \times 9 = $ **81cm²**

46

37. Angle B, Angle C, Angle A

38. January

39. January = 45 coins
    April   = 70 coins
    70 − 45 = **25 more coins**

40. February = 50 coins
    50 coins x 0.50¢ = **$25.00**

41. Chris = 50 stickers
    David = 50 + 98   = 148 stickers
    Ray   = 148 + 189 = 337 stickers

    Ray has **337 stickers**

42. Passengers = 1425
    Men   = 587
    Women   = 94 + 587
                = 681
    Children   = (1425 − 587 − 681) = 157

    There are **157 children**

43. Glass   = 250mℓ
    3 glasses = 250mℓ x 3 = 750mℓ

    Jug   = 100ℓ + 250mℓ = 350mℓ
    (750mℓ + 350mℓ) = 1100mℓ

    3 glasses and a jug can hold **1100mℓ**

44. Wendy = 5 hours
    Sister = 1 hour 5 mins
           = (5 hours − 1 hour 5 mins) = 3 hours 55 mins

    Wendy + Sister = 5 hours + 3hours 55 mins

                   = 8 hours 55 mins

    They spend **8 hours 55 mins** to complete their project.

45. $2.00 = 2 units
      $5.00 = 1 unit
      2 + 1 = 3 units
      15 x 3 = $45

Mrs Smith has **$45.00**