# Anglo-Chinese School
# (Junior)

SEMESTRAL ASSESSMENT 2 (2010)
PRIMARY 3

MATHEMATICS
BOOKLET A

Thursday | 28 October 2010 | 1 h 45 min

**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 7 printed pages. (Inclusive of cover page)**

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. The value of 7 403 is the same as _____.

(1) 7000 + 40 + 3
(2) 7000 + 40 + 30
(3) 7000 + 400 + 3
(4) 7000 + 400 + 30

2. In which numeral does the digit 9 stand for 9 hundreds?

(1) 1890
(2) 3009
(3) 8950
(4) 9235

3. Mrs Chen bought 601 eggs. She used 288 eggs to bake some cakes. 30 eggs were spoilt and she threw them away. How many eggs had she left?

(1) 283
(2) 303
(3) 313
(4) 343

4. Think of the largest 3-digit whole number where **all the 3 digits are different**. Add 25 to it and your answer is _____.

(1) 814
(2) 904
(3) 1012
(4) 1024

5. 3 kg 7 g = _____ g.

(1) 37
(2) 307
(3) 3007
(4) 3700



Sub-Total :

6. The sum of two numbers is 7000. One of the numbers is 3208.
What is the difference between the two numbers?

(1) 584
(2) 592
(3) 3792
(4) 3800

7. Mary shared 630 stickers equally with five of her friends. How many stickers did each person get?

(1) 70
(2) 90
(3) 105
(4) 126

8. 9409 = 8000 + _____ + 9

(1) 140
(2) 400
(3) 1000
(4) 1400

9. 4 × _____ = 240 ÷ 5

(1) 12
(2) 44
(3) 48
(4) 60

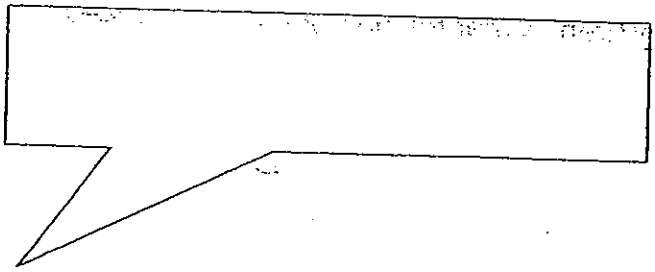
10. 315 ÷ 3 is smaller than _____

(1) 15
(2) 95
(3) 105
(4) 150

11. Pencils are sold at 4 for $6.00 only.
Pens are sold at $2.50 each.
How much must Jenny pay if she bought 12 pencils and 2 pens?

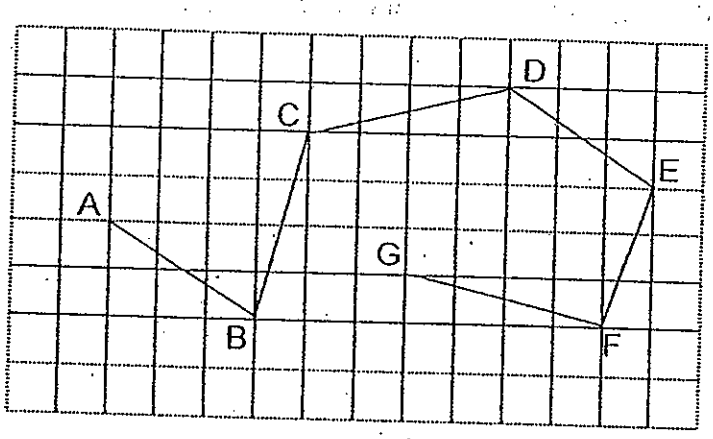
(1) $11.00
(2) $23.00
(3) $29.00
(4) $77.00

12. How many angles inside the figure below are **greater** than a right angle?



(1) 1
(2) 2
(3) 7
(4) 4

13. Which one of the statements about the lines below is **correct**?




(1) DE // GF
(2) BC // FE
(3) AB // GF
(4) AB // DE

14. Penny had a 6-cm square piece of paper. She used half of the paper to make a birthday card. What area of the paper was left?

(1) 18 $cm^2$
(2) 24 $cm^2$
(3) 36 $cm^2$
(4) 72 $cm^2$



Sub-Total :

15. Mother baked a cake. She gave $\frac{1}{2}$ of the cake to her neighbour and $\frac{3}{8}$ of the same cake to her children. What fraction of the cake is left?

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

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

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

(4) $\frac{7}{8}$

16. Which one of the following fractions is in its simplest form?

(1) $\frac{2}{12}$

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

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

(4) $\frac{5}{7}$

17. Alicia took 30 minutes to build a toy car. She was paid $8 an hour to build the toy cars. How much did she earn if she build 10 such cars?

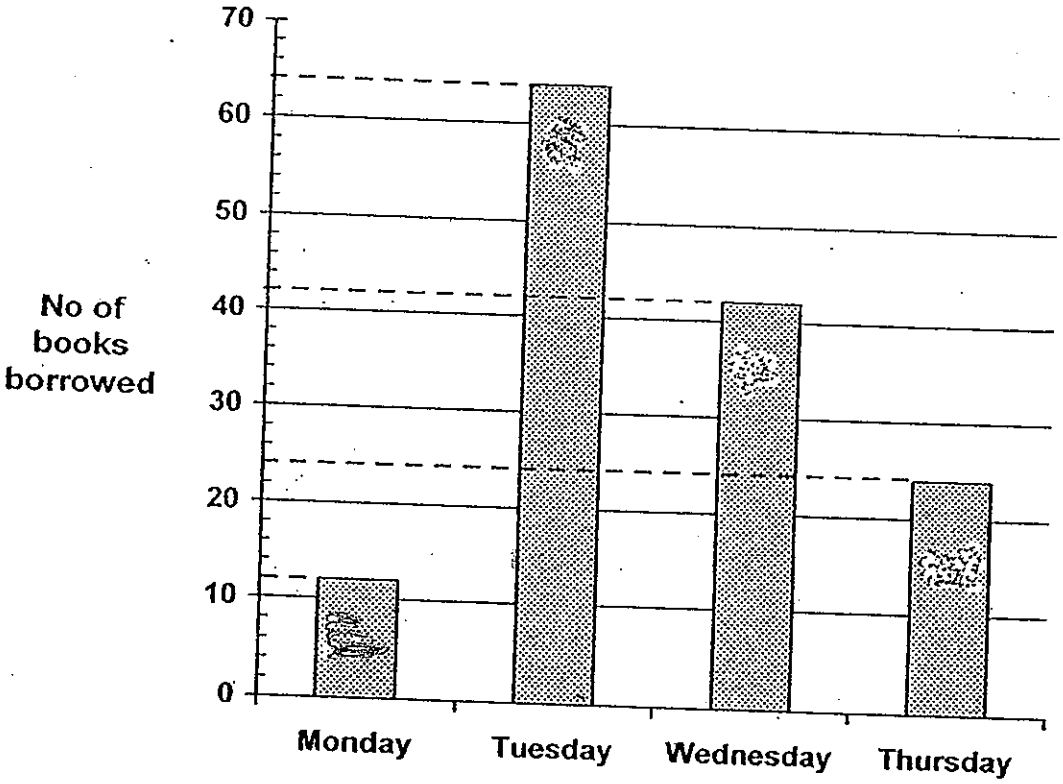
(1) $40
(2) $80
(3) $160
(4) $240



Sub-Total :

18. The picture graph and the bar graph show the number of books borrowed from the library over four days.

| | |
|---|---|
| Monday | 📖 📖 📖 |
| Tuesday | 📖 📖 📖 📖 📖 📖 📖 📖 📖 📖 📖 📖 📖 📖 📖 |
| Wednesday | 📖 📖 📖 📖 📖 📖 📖 📖 |
| Thursday | 📖 📖 📖 📖 📖 📖 ✓ |
| Each 📖 stands for 4 books | |




Using the information in the picture graph, on which day was the bar graph **incorrectly** drawn?

(1) Monday

(2) Tuesday

(3) Wednesday

(4) Thursday

19. A tank is half-filled with 4 litres of water. What is the capacity of the tank?

(1) 2000 ml
(2) 4000 ml
(3) 6000 ml
(4) 8000 ml

20. Arjun ran 575 m up a hill and then ran the same distance down the hill. He then ran 800 m before reaching the campsite. How far did he run?

(1) 1 km 150 m
(2) 1 km 375 m
(3) 1 km 575 m
(4) 1 km 950 m

**END OF BOOKLET A**

# Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 2 (2010)
PRIMARY 3

MATHEMATICS
BOOKLET B

Thursday 28 October 2010 1 h 45 min

INSTRUCTIONS TO PUPILS

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

Follow all instructions carefully.

There are 25 questions in this booklet.

Answer ALL questions.

Name:_____( )

Class:_____

| Booklet | Possible Marks | Marks Obtained |
|---|---|---|
| A | 40 | |
| B | 60 | |
| TOTAL | 100 | |

Parent's Signature :_____

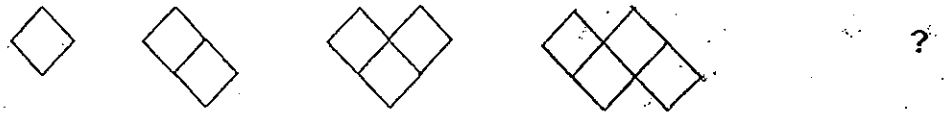
This question paper consists of 11 printed pages. (Inclusive of cover page)

## Section B (20 x 2 marks each)

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

21. Subtract 40 from 500 tens.

22. Study the pattern below. Sue used 4 toothpicks to form Pattern 1. How many toothpicks did she use to form Pattern 6?




Pattern 1 Pattern 2 Pattern 3 Pattern 4 .....Pattern 6

23. The greatest even number which can be formed using all the digits 1, 4, 8, 9 is _____.

24. Ali sold 3456 fun-fair tickets. Wei Ming sold 632 more fun-fair tickets than Ali. How many fun-fair tickets did they sell altogether?



Sub-Total :

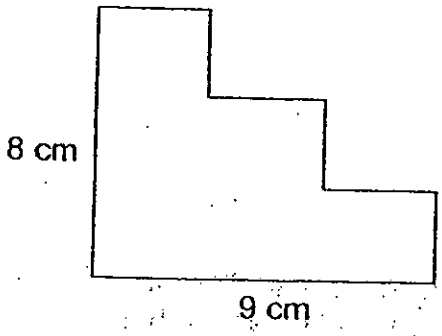
25. A bus can carry 8 adults and 17 children. How many more children than adults can 9 such buses carry?

26. Each letter in the following sum represents a ~~number.~~ digit Find the digits that are represented by these ~~numbers~~ digits.

$$\begin{array}{r} 2\ \boxed{A}\ \boxed{B} \\ +\ \boxed{B}\ \boxed{B}\ 3 \\ \hline 9\ 9\ 0 \\ \hline \end{array}$$

A = _____ ; B = _____

27. What is the perimeter of the figure?

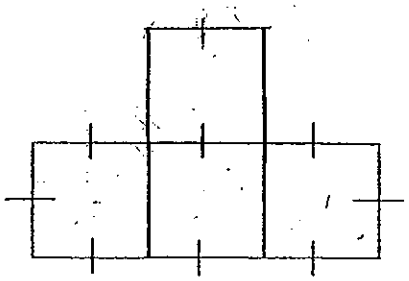



_____ cm



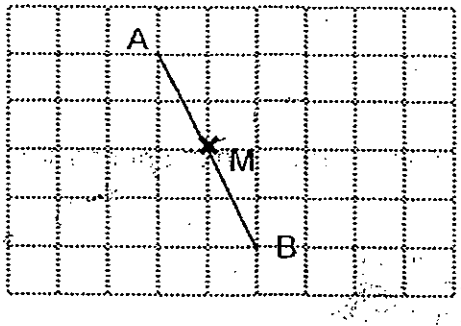
Sub-Total : _____

28. The figure below is made up of 4 identical squares. If the area of the figure is 64 $cm^2$, what is the length of each square?



cm

29. Using the square grid below, draw a line that is perpendicular to the line AB. The line must pass through the point M.




30. Pauline bought 3 stalks of lilies for $24. How much must she pay if she wants to buy 8 stalks of lilies?

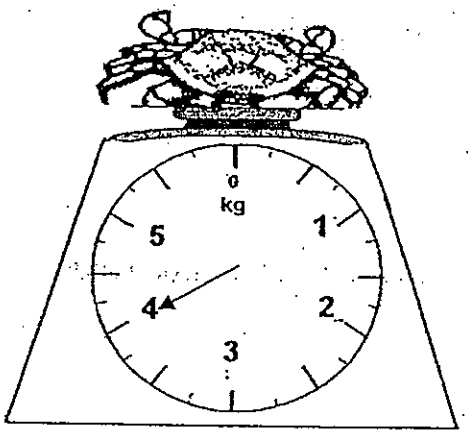
$

31. 7 × 7 is _____ less than 10 × 7.

32. 1 kg of fish and 1 kg of prawn cost $50. If 1 kg of prawn cost $12 more than 1 kg of fish, what is the cost of 1 kg of fish?

$

33. Mrs Mei paid $100 for the crab. What is the cost of 1 kg of crab?




$

34. Stella spent 1 h 45 min doing her homework. Then she spent another 2 h 35 min on her drawing. If she began doing her homework at 10.30 a.m., at what time did she finish her drawing?

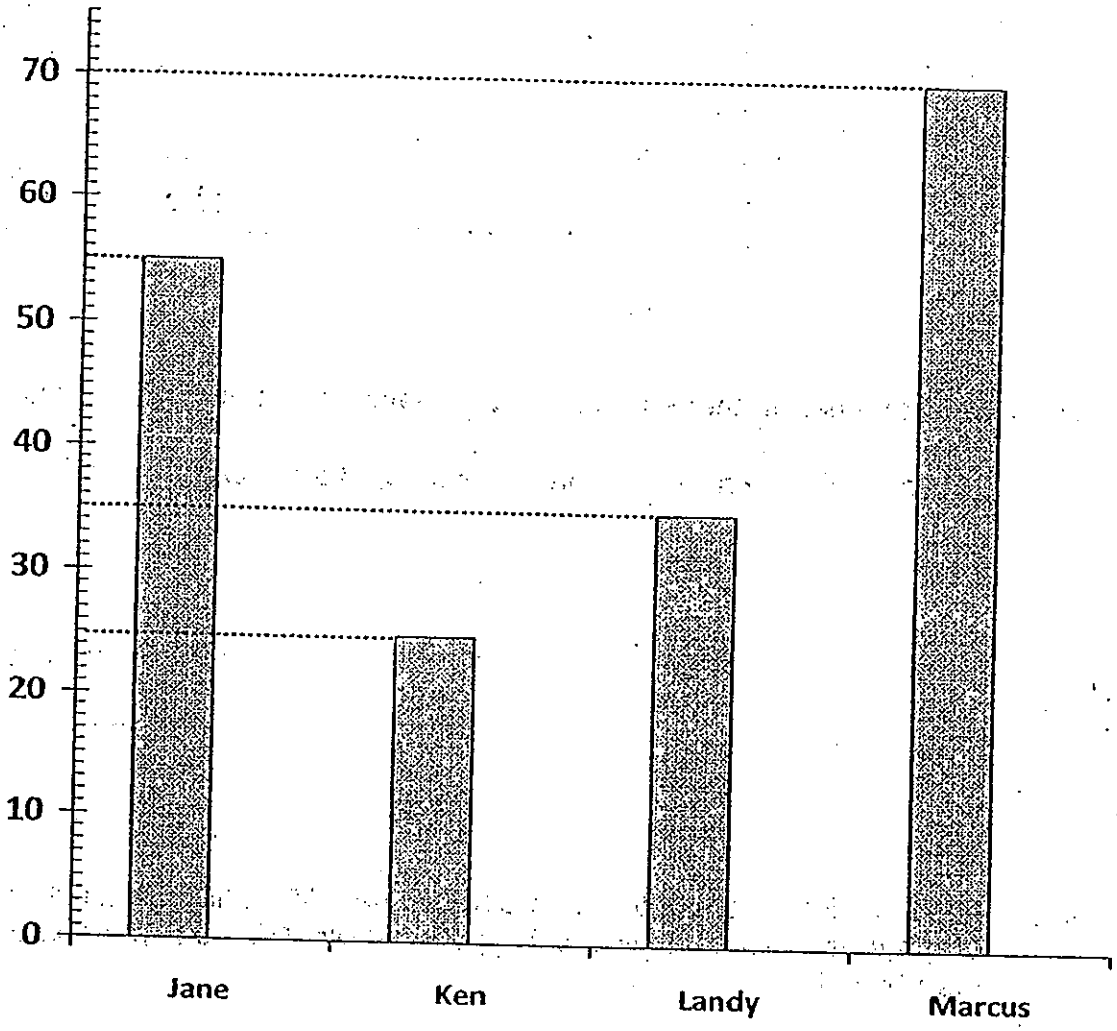
p.m.

35. Sally and her brother shared a pizza. Sally ate $\frac{1}{9}$ of the pizza. What fraction of the pizza did her brother eat if $\frac{1}{3}$ of the pizza was left?

36. Mrs Li took 1 h 55 min to prepare her dinner. Mrs Min took 2 h 15 min to prepare her dinner. How much longer did Mrs Min take to prepare dinner than Mrs Li?

min

Look at the graph and answer questions 37 and 38.
The graph below shows the number of stickers collected by 4 children.



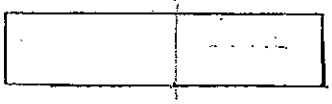

37. If Jane had 100 stickers after her father gave her some stickers, how many stickers did her father give her?

38. Who had twice as many stickers as Landy?

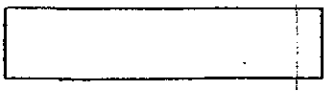


Sub-Total

39. Bala had 3 times as many stamps as Raj. After Bala used 45 stamps, he had 48 stamps left. How many stamps did Raj have?



40. John had twice as many stickers as David. After John gave away 68 of his stickers and David gave away 23 of his stickers, each of them had the same number of stickers left. How many stickers did John have at first?



## 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. Clarence arranged 264 muffins equally into 8 boxes. Ivan arranged 850 muffins equally into 5 boxes. How many more muffins did Ivan have than Clarence in 1 box?

42.

Apple

3 for $1

Pear

3 for $2

Papaya

$3.50 each

Anne bought 6 apples, 9 pears and 3 papayas. How much change did she receive if she paid the cashier with a fifty-dollar note?



Sub-Total :

43. Container X and Container Y contain 60 litres of syrup in total. Container X and Container Z contain 75 litres of syrup in total. If Container X contains 19 litres of syrup, how much syrup is there in all the 3 containers altogether?

44. Tom paints 9 m of a fence each day. The length of the fence is 250 m. If he has been painting for 3 weeks, what is the length of the fence that is left unpainted?

45. Mr Cai has 3 times as many twenty-cent coins as fifty cent coins in his wallet. If he has $8.80 in his wallet, how many twenty-cent coins does Mr Cai have?

**- End of Booklet B -**

# Ans

**EXAM PAPER 2010**

**SCHOOL : ACS (JUNIOR) PRIMARY**
**SUBJECT : PRIMARY 3 MATHEMATICS**

**TERM : SA2**

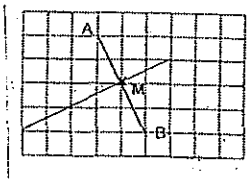
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 | Q16 | Q17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 3 | 1 | 3 | 3 | 1 | 3 | 4 | 1 | 4 | 2 | 2 | 4 | 1 | 1 | 4 | 1 |

| Q18 | Q19 | Q20 |
|---|---|---|
| 3 | 4 | 4 |

**21)4960** **22)19 toothpicks** **23)9814** **24)7544 tickets**

**25)81 more children** **26)A=1 B=7** **27)34cm** **28)4cm**

**29)**




**30)$64** **31)21** **32)$19** **33)$25**

**34)2.50 p.m.** **35)5/9 of the pizza** **36)20 min**

**37)45 stickers** **38)Marcus** **39)31 stamps**

**40)90 stickers**

**41)850 ÷ 5 = 170**
**264 ÷ 8 = 33**
**170 – 33 = 137**
**He had 137 more muffins than Clarence in a box.**

**42)$1 x 2 = $2**
**$2 x 3 = $6**
**$3.50 x 3 = $10.50**
**$2 + $6 + $10.50 = $18.50**
**$50 – $18.50 = $31.50**
**She received $31.50 change.**

**43)60L – 19L = 41L**
**41L + 75L = 116L**
**There is 116L of syrup in all the 3 containers altogether.**

**44)7 x 9m = 63m**
**3 x 63m = 189m**
**250m – 189m = 61m**
**61m of the fence that is left unpainted.**

**45)He has 24 twenty-cent coins.**