



Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2011
MATHEMATICS
BOOKLET A
PRIMARY THREE

Name: _____ () Class: Primary 3 ____

Date: 10 May 2011

Duration of Booklet A & B: 1h 45min

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 4 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answer on the Optical Answer Sheet (OAS) provided.

Section A (10 x 2 marks each)

For each of the following questions, four options are given. Choose the correct option and shade its oval (1, 2, 3 or 4) in the Optical Answer Sheet provided.

1. In 9 876, which digit is in the hundreds place?

- (1) 9
- (2) 8
- (3) 7
- (4) 6

2. Which one of the following sets of numbers is arranged in descending order?

- (1) 9 159, 9 009, 8 459
- (2) 9 306, 9 405, 9 504
- (3) 9 515, 9 300, 9 315
- (4) 9 715, 9 745, 9 800

3. $2\,000 + \boxed{?} + 8 = 2\,078$.

What is the missing number in the box?

- (1) 7 ones
- (2) 7 tens
- (3) 70 tens
- (4) 700 ones

4. 5 rows of eight is **not** the same as _____.

- (1) $8 + 8 + 8 + 8 + 8$
- (2) $8 \times 8 \times 8 \times 8 \times 8$
- (3) 5 eights
- (4) 5×8

5. Find the product of 60 and 9.

- (1) 51
- (2) 69
- (3) 450
- (4) 540

6. An ant has 6 legs and a spider has 8 legs. If there are 4 ants and 9 spiders, how many legs are there altogether?

- (1) 24
- (2) 72
- (3) 84
- (4) 96

7. What is the quotient when 710 is divided by 7?

- (1) 10
- (2) 11
- (3) 101
- (4) 110

8. Mr Tan had 100 packets of sweets. He sold 30 packets and gave the rest equally to 7 neighbours. How many packets did each neighbour get?

- (1) 1
- (2) 7
- (3) 10
- (4) 70

9. A wallet costs \$35.60.
It costs \$5.45 less than a key pouch.
How much does the key pouch cost?

- (1) \$30.15
- (2) \$30.25
- (3) \$40.05
- (4) \$41.05

10. The usual price of a watch was \$72.10.
At a sale, Mr Hew bought the watch for \$58.95.
How much did he save?

- (1) \$13.05
- (2) \$13.15
- (3) \$26.80
- (4) \$26.85



Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2011
MATHEMATICS
BOOKLET B
PRIMARY THREE

Name: _____ () Class: Primary 3 ____

Date: 10 May 2011

Duration of Booklet A & B: 1h 45min

Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 14 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

A. Multiple-Choice Questions	20	
B. Short Answers	40	
C. Problem Sums	40	
Total Marks	100	

SECTION B - Short Answers (40 Marks)

Questions 11 to 30 carry 2 marks each. Show all workings clearly.
Write your answer in the space provided. Give your answers in the units stated
and in its simplest form whenever possible.

11. Write 5 248 in words.

12. 2 200 is _____ hundreds less than 7 400.

Answer : _____

13. What is the sum of 2 589 and 4 476?

Answer : _____

14. The difference between two numbers is 179.
The greater number is 823.
What is the smaller number?

Answer : _____

15. Arrange the digits 8, 6, 5, 0 to form the smallest odd number.
Then add 436 to it. What is the answer?

Answer : _____

16. 605 less than 7 621 is _____.

Answer : _____

17. Form the greatest 3-digit number by using all the digits below.

5, 2, 6.

Answer : _____

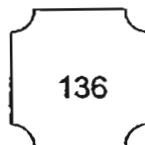
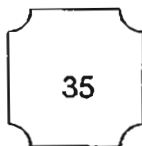
18. Ali had 1 746 beads and Benny had 859 beads more than him. If Charles had a dozen beads more than Benny, how many beads did Charles have?

Answer : _____

19. The product of two numbers is 50. The difference between the two numbers is 23. What are the two numbers?

Answer : _____ and _____

20. Study the numbers below.



When two of the numbers are multiplied, the product cannot be divided by 2 exactly. What are the two numbers?

Answer : _____ and _____

21. There are less than 26 sweets in a bowl. If I pack all of them into bags of 6 or 8, there will not be any remaining sweets. However, if I pack them into bags of 5, there will be 4 left over. How many sweets are there?

Answer : _____

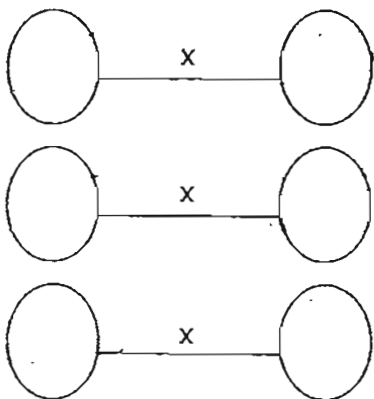
22. Study the number pattern below.



What is the missing number in the box?

Answer : _____

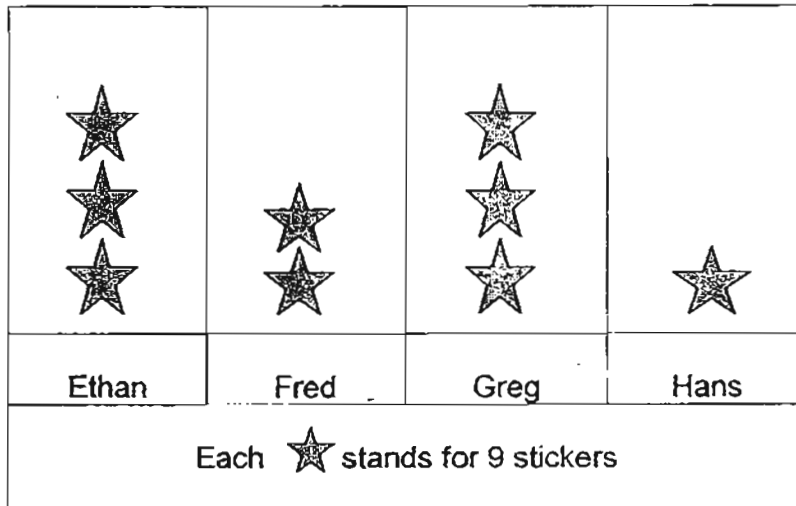
23. Place each of the numbers 1, 2, 3, 12, 18 and 36 in the circles below so that each line has the same product. Each number can be used **ONCE** only.



24. Sam needs 2 weeks and 2 days to make 6 toy cars. How many days does he need to make 42 toy cars?

Answer : _____

The picture graph below shows the number of stickers each of the 4 children have. Study the graph and answer questions 25 and 26.



25. The 4 children have a total of _____ stickers.

Answer : _____

26. Fred gives all his stickers to the other children equally. How many stickers will Ethan have in the end?

Answer : _____

27.

$$\bigcirc \times \triangle = 12$$

$$\triangle \times \triangle = 16$$

$$\bigcirc \times \oplus = 36$$

What is the value of \oplus ?

Answer : _____

28. A grocer sold 642 apples and oranges altogether. If he sold twice as many oranges as apples, how many apples did he sell?

Answer : _____

29. Mrs Kwok bought a toaster, an oven and a hairdryer. The toaster cost \$59.90 and the oven cost \$89.70. She paid \$183.35 for the three items. How much did the hairdryer cost?

Answer : \$ _____

30. Jason has 5 twenty-cent coins. His mother gives him another 4 fifty-cent coins. How much does he have in all?

Answer : \$ _____

SECTION C - Problem Sums (40 Marks)

Questions 31 to 40 carry 4 marks each. Show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Express your answers in the units stated and in its simplest form whenever possible.

31. At a basketball match, there were 2 177 women.
If there were 4 331 more men than women at the basketball match,

- (a) how many men were watching the basketball match?
(b) how many adults were watching the basketball match?

Answer: (a) _____ [2]

(b) _____ [2]

32. 2 662 visitors visited the zoo on Saturday and Sunday altogether.
1 456 visitors visited the zoo on Saturday.
How many more visitors visited the zoo on Saturday than on Sunday?

Answer: _____ [4]

33. There are a total of 22 cows and chickens on a farm.
Given that the total number of legs at the farm is 60, find

- (a) the number of cows at the farm.
- (b) the number of chickens at the farm.

Answer: (a) cows: _____ [2]

(b) chickens: _____ [2]

34. Jonas bought a comic book and a storybook.
He spent \$11.30 on the comic book.
If a storybook cost \$1.75 less than a comic book,

- (a) how much did the storybook cost?
- (b) how much did he spend on both items?

Answer: (a) _____ [2]

(b) _____ [2]

35. Mrs Tan had 456 flowers in her shop. She sold 360 of the flowers and arranged the rest equally into 8 bouquets.
- a) How many flowers are there in each bouquet?
 - b) If each bouquet was sold at \$7, how much money did Mrs Tan collect in all?

Answer: (a) _____ [2]

(b) _____ [2]

36. In an auditorium, all the chairs are arranged in rows. In each of the first five rows, there are 24 chairs. There are an equal number of chairs in each of the remaining six rows. If there are 324 chairs, how many chairs are there in each of the remaining six rows?

Answer: _____ [4]

37. Li Ming paid \$840 for a bookshelf, a table and a chair. If the bookshelf cost as much as the table and the table cost three times as much as the chair, how much did Li Ming pay for the bookshelf?

Answer: _____ [4]

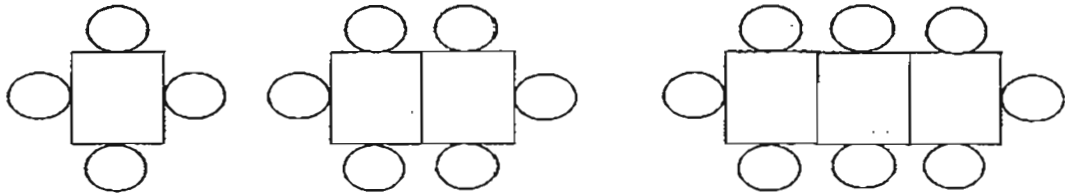
38. Dan bought 5 books and 3 files for \$81. If a book costs \$5 more than a file, how much would each book cost?

Answer: _____ [4]

39. There are 144 marbles in Container A. There are 6 times as many marbles in Container B as in Container A. How many marbles must be moved from Container B to Container A so that there is an equal number of marbles in each container?

Answer: _____ [4]

40. A square table can sit 4 people.
 Two square tables, placed end to end, can sit 6 people.
 Three square tables, placed end to end, can sit 8 people.
 (a) How many people can sit at 10 square tables?
 (b) How many tables, placed end to end, can sit 100 people?



Number of tables	Number of people
1	4
2	6
3	8
.	.
.	.
.	.
10	?
.	.
.	.
.	.
?	100

Answer: (a) _____ [2]

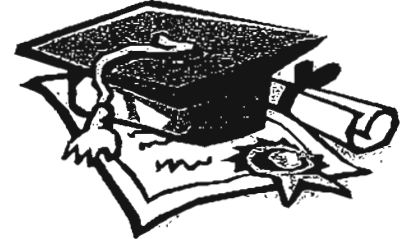
(b) _____ [2]



ANSWER SHEET

EXAM PAPER 2011

SCHOOL : ACS
 SUBJECT : PRIMARY 3 MATHEMATICS
 TERM : SA1



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	1	2	2	4	4	3	3	4	2

11) Five thousand two hundred and forty-eight

12)52 13)7065 14)644 15)6521 16)7016 17)652

18)2617 19)25 and 2 20)309 and 35 21)24 22)144

23)36 x 1 24)14 25)81 26)33 27)12 28)214
 12 x 3
 18 x 2 29)\$33.75 30)\$3

31)a)4331 + 2177 = 6508

There were 6508 men at the basketball match.

b)6508 + 2177 = 8685

There were 8685 adults watching the basketball match.

32)2662 - 1456 = 1206 (Sunday)

1456 - 1206 = 250

250 visitors visited the zoo on Saturday than on Sunday .

33)a)No.of cows	No.of legs	No.of chickens	No.of legs	Total	√/x
10	40	12	24	64	x
11	44	11	22	66	x
9	36	13	26	62	x
12	48	10	20	68	x
8	32	14	28	60	√

a)cows: 8

b)chickens: 14

34)a)11.30 - 1.75 = 9.55

The story book cost \$9.55.

b)11.30 + 9.55 = 20.85

He spent \$20.85 on both items.

35)a) $456 - 360 = 96$

$96 \div 8 = 12$

There were 12 flowers in each bought.

b) $8 \times 7 = 56$

She collect \$56

36) $24 \times 5 = 120$

$324 - 120 = 204$

$204 \div 6 = 34$

There were 34 chair in each of the remaining six rows.

37) 7 units \rightarrow \$840

1 unit \rightarrow $\$840 \div 7 = \120

$120 \times 3 = \$360$

She paid \$360 for the bookshelf.

38) 8 units + \$25 = \$81

8 units \rightarrow $\$81 - \$25 = \$56$

1 unit \rightarrow $\$56 \div 8 = \7

Cost of each book = $\$7 + \$5 = \$12$

39) $144 \div 2 = 72$

$2 \times 144 = 288$

$288 + 72 = 360$

40)a) 22

b) 49