



Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2014
MATHEMATICS
BOOKLET A
PRIMARY THREE

Name: _____ () Class: Primary 3 _____

Date: 9 May 2014

Duration of Booklets A & B: 1h 45min

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 4 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answers 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 7 913, the digit 9 is in the _____ place.

- (1) ones
- (2) tens
- (3) hundreds
- (4) thousands

2. Six thousand, six hundred and six is the same as _____.

- (1) 6 066
- (2) 6 606
- (3) 6 660
- (4) 6 666

3. 4 040 is 80 more than _____.

- (1) 3 240
- (2) 3 960
- (3) 4 020
- (4) 4 120

4. What is the difference between 56 hundreds and 1 965?

- (1) 1 405
- (2) 1 909
- (3) 2 021
- (4) 3 635

5. Alice had 8 boxes of oranges. There are 46 oranges in each box. How many oranges does she have altogether?
- (1) 38
 - (2) 54
 - (3) 328
 - (4) 368
6. When a number is divided by 9, it gives a quotient of 23 and a remainder of 5. What is the number?
- (1) 115
 - (2) 124
 - (3) 207
 - (4) 212
7. Jay has twice as many stamps as Zoe. Zoe has three times as many stamps as Ann. Jay has 42 stamps. How many stamps does Ann have?
- (1) 7
 - (2) 14
 - (3) 21
 - (4) 48
8. Kelly had some money in her wallet. She spent \$15.45 and had \$6.50 left. How much money had she at first?
- (1) \$8.95
 - (2) \$11.15
 - (3) \$20.95
 - (4) \$21.95

9. A microwave oven costs \$1 093 less than a refrigerator. If the microwave oven costs \$1445, how much does the refrigerator cost?

- (1) \$352
- (2) \$452
- (3) \$2 438
- (4) \$2 538

10. The given figures below are made up of lines. Study the following patterns. How many dots are there in Figure 6?



Figure 1
3 Dots

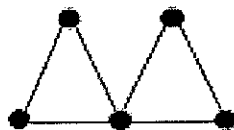


Figure 2
5 Dots

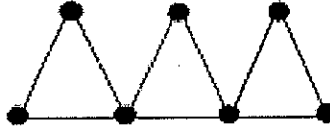


Figure 3
7 Dots

?

Figure 6
? Dots

- (1) 12
- (2) 13
- (3) 15
- (4) 18



Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2014
MATHEMATICS
BOOKLET B
PRIMARY THREE

Name: _____ () Class: Primary 3 ____

Date: 9 May 2014

Duration of Booklets A & B: 1h 45min

Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

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

Section	Maximum Marks	Marks Obtained
A. Multiple-Choice Questions	20	
B. Short Answers	38	
C. Problem Sums	22	
Total Marks	80	

SECTION B - Short Answers (38 Marks)

Questions 11 to 20 carry 1 mark each. Questions 21 to 34 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 8 412 in words.

Answer : _____

12. Complete the following number pattern.

185 , 208 , 231 , _____ , 277 , 300

Answer : _____

13. What is the smallest 4-digit odd number that can be formed with the digits 5, 7, 1 and 8?

Answer : _____

14. Container X has 2 909 marbles. Container X has 10 marbles fewer than Container Y. How many marbles are there in the two containers?

Answer : _____

15. Find the value of the digit 9 in 3492.

Answer : _____

16. Peiwen wanted to arrange 5 roses in a vase. If she had 35 roses, how many vases did she need?

Answer : _____

17. What is the remainder when 238 is divided by 6?

Answer : _____

18. Xavier reads 4 books in a week. How many books will he read in 28 weeks?

Answer : _____

19. Tim has 6 fifty-cent coins, 5 twenty-cent coins and 3 five-cent coins. How much money does Tim have?

Answer : \$ _____

20. Max wants to buy a toy car that costs \$78.45. He has \$26.50 in his wallet. How much more money does Max need to buy the toy car?

Answer : \$ _____

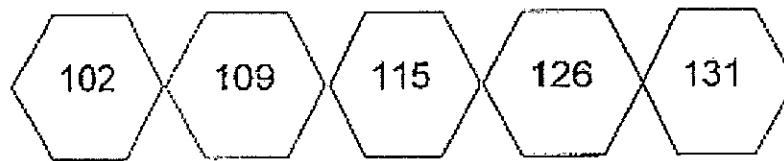
21. The number 1 740 is _____ tens less than 2 500.

Answer : _____

22. A car can carry 7 people only. What is the smallest number of cars needed to carry 59 people?

Answer : _____

23. Which of these numbers are even numbers?



Answer : _____ and _____

24. The difference between two numbers is 540. If the smaller number is 182, what is the sum of the two numbers?

Answer : _____

25. When I add 135 to a number, I get 500. What will I get if I subtract 56 from this number?

Answer : _____

26. A farm has 8 horses and 6 chickens. A horse has 4 legs, while a chicken has 2 legs. How many legs of horses and chickens are there altogether in the farm?

Answer : _____

27. Jess baked 35 cupcakes. Pete baked 14 cupcakes. They packed all the cupcakes equally into 7 boxes. How many cupcakes are there in each box?

Answer : _____

28. I am a three-digit number.
The digit in the hundreds place is 7 more than the digit in the tens place.
The digit in the tens place is 6 less than the digit in the ones place.
The digit in the ones place is 8.
What number am I?

Answer : _____

29. I am a number between 15 and 20. When I am divided by 2, the remainder is 1. When I am divided by 4, the remainder is also 1. What number am I?

Answer : _____

30. Joseph bought a fan for \$89.90 and a kettle for \$39.90. He gave the cashier three fifty-dollar notes. How much change did he receive?

Answer : \$ _____

31. Mrs Lee buys 8 boxes of muffins. There are 4 muffins in each box. She wants to put 2 muffins on each plate. How many plates will she need?

Answer : _____

32. Pamela wrapped 564 oranges into baskets of 6. She sold 32 baskets, how many baskets were left unsold?

Answer : _____

33. What number must be subtracted from the sum of 4 625 and 3 425 to make 1 000?

Answer : _____

34. Study the diagram below.

If  +  +  +  +  = 51

and  +  +  = 25

Find 

Answer : _____

SECTION C - Problem Sums (22 Marks)

Questions 35 to 36 carry 3 marks each. Questions 37 to 40 carry 4 marks each. Show your working and mathematical statements clearly in the space below each question. Write your answer in the space provided. Express your answers in the units stated and in its simplest form whenever possible.

35. Karen is 17 years younger than her 50-year old brother, Tom.
What will be their total age in 13 years' time?

Answer: _____ [3]

36. The cost of 5 watches is the same as the cost of 2 necklaces. If each watch cost \$46, how much is the cost of each necklace?

Answer: _____ [3]

37. Each child received 7 lollipops and 2 chocolates at a party. 180 lollipops and chocolates were shared equally among these children. How many more lollipops than chocolates were there?

Answer: _____ [4]

38. A bookshop sold notebooks at \$3 each and pens at \$2 each.

- (a) On Monday, the cashier collected \$114 from the sale of some notebooks. How many notebooks were sold on Monday?
- (b) On Tuesday, the cashier sold an equal number of notebooks and pens. The cashier collected a total of \$560. How much money did the cashier collect from the sale of the pens on Tuesday?

Answer: (a) _____ [1]

(b) _____ [3]

39. Warehouse X has 266 mattresses more than Warehouse Y. Warehouse Y has 437 fewer mattresses than Warehouse Z. If Warehouse Z has 850 mattresses, how many mattresses are there in all the Warehouses?

Answer: _____ [4]

40. There are 19 bicycles and tricycles in a park. A bicycle has 2 wheels, while a tricycle has 3 wheels. If there are 45 wheels in the park, how many bicycles are there?

Answer: _____ [4]

End-of-Paper

Year: 2014
 Level: Primary 3
 School: Anglo-Chinese School (Primary)
 Subject: Mathematics
 Semester: SA1

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

Q11) Eight thousand, four hundred and twelve.

Q12) 254

Q13) 1587

Q14) 5828

Q15) 90

Q16) 7

Q17) 4

Q18) 112

Q19) \$4.15

Q20) \$51.95

Q21) 76

Q22) 9

Q23) 126 and 102

Q24) 904

Q25) 309

Q26) 44

Q27) 7

Q28) 928

Q29) 17

Q30) \$20.20

Q31) 16

Q32) 62

Q33) 7050

Q34) 13

Q35) $50 - 17 = 33$

$33 + 13 = 46$

$50 + 13 = 63$

$63 + 46 = 109$

Answer: 109

Q36) $46 \times 5 = 230$

$230 \div 2 = 115$

Answer: 115

Q37) $180 \div 9 = 20$

$7 - 2 = 5$

$20 \times 5 = 100$

Answer: 100

Q38)a) $114 \div 3 = 38$

Answer: 38

b) $2+3=5$

$560 \div 5 = 112$

$112 \times 2 = 224$

Answer: \$224

Q39) $850 - 437 = 413$ (Warehouse Y)

$413 + 266 = 679$ (Warehouse X)

$413 + 679 = 1092$ (Warehouse X+Y)

$1092 + 850 = 1942$ (Total no. of mattresses)

Answer: 1942

Q40) Method 1:

No. of tricycles	No. of wheels	No. of bicycles	No. of wheels	Sum of wheels	Check
9	$9 \times 3 = 27$	10	$10 \times 2 = 20$	47	X
8	$8 \times 3 = 24$	11	$11 \times 2 = 22$	46	X
7	$7 \times 3 = 21$	12	$12 \times 2 = 24$	45	X

Answer: 12

Method 2:

If all of the 19 bicycles and tricycles were tricycles,

No. of wheels

$= 19 \times 3$

$= 57$

Difference

$= 57 - 45$

$= 12$

Difference between no. of wheels of 1 bicycle and 1 ticycle

$= 3 - 2$

$= 1$

No. of bicycles

$= 12 \div 1$

$= 12$

Answer: 12