METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

MID-YEAR EXAMINATIONS 2011
PRIMARY 3
MATHEMATICS

Total Time: 1 h 45 min

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Shade your answers in the Optical Answer Sheet (OAS) provided.

Name: _____ ( )

Class: Primary 3._____

Date: 5 May 2011

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This booklet consists of 15 printed pages including this page.

Section A
Questions **1** to **8** carry 1 mark each. Questions **9** 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. (32 marks)

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1 In 9 805, the digit **8** has the same value as _____.

(1) 8 x 1000
(2) 8 x 100
(3) 8 x 10
(4) 8 x 1

2 What is the product of 270 and 8?

(1) 19
(2) 35
(3) 216
(4) 2160

3 1 359 = 1000 + _____ + 50 + 9

(1) 35
(2) 50
(3) 300
(4) 350

4 What is the value of 7 thousands, 3 hundreds, 2 tens and 4 ones?

(1) 7 234
(2) 7 324
(3) 7 342
(4) 7 432

5 The sum of 1 268 and 906 is _____ more than 2000.

(1) 174
(2) 274
(3) 2 174
(4) 4 174

6 25 x 4 has the same value as 25 + 25 + _____.

(1) 25
(2) 50
(3) 75
(4) 100

7 72 stamps were shared equally among 9 girls. How many stamps did each girl receive?

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

8 Charmaine has to place 97 oranges into boxes. Each box can hold 30 oranges at most. What is the least number of boxes she needs?

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

9 What is the sum of the value of the digits 3 in 3 400 and 830?

(1) 1 010
(2) 3 030
(3) 3 300
(4) 4 230

10 Denise bought 3 stickers at 90 cents each. How much did she spend altogether?

(1) $0.90
(2) $1.80
(3) $2.70
(4) $3.90

11 Which of the following is 300 less than the sum of 932 and 276?

(1) 356
(2) 632
(3) 656
(4) 908

12 2 903 is less than _____ by 100.

(1) 2 803
(2) 2 893
(3) 3 003
(4) 3 103

13 What is the missing number in the number pattern below?

7 999, 5 969, _____, 1 909

(1) 3 909
(2) 3 939
(3) 3 969
(4) 3 999

14 The difference between two numbers is 33. The smaller number is 86. What is the bigger number?

(1) 50
(2) 53
(3) 109
(4) 119

15 Sara has 200 sweets. If she were to give 6 sweets to each of her classmates she would need 16 more sweets. How many classmates does she have?

(1) 9
(2) 22
(3) 36
(4) 37

16 If △ + ○ = 10

and △ × △ = 9

What does ○ stand for?

(1) 1
(2) 7
(3) 3
(4) 9

17 I am a two-digit even number. The digit in my tens places is 2 times the digit in my ones place. What number am I?

(1) 20
(2) 21
(3) 63
(4) 84

18

Joyland Theme Park

Weekday

Type of Ticket	Price
Adult	$66
Child	$45

Joyland Theme Park

Weekday

Type of Ticket	Price
Adult	$72
Child	$52

Mrs Fang took her 2 children to Joyland Theme Park on Sunday. How much did Mrs Fang have to pay for the entrance fees?

(1) $96
(2) $104
(3) $162
(4) $176

19

Table lamp
$9.90

Water Bottle
$3.20

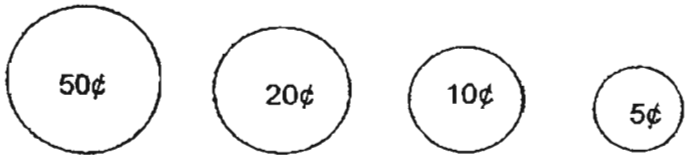
Clip Board
$6.90

Notepad
$2.40

Doris bought 2 of the above items. She gave the shopkeeper $20 and received $9.90 as change. Which 2 items did she buy?

(1) table lamp and clipboard
(2) table lamp and water bottle
(3) water bottle and clipboard
(4) water bottle and notepad

20 Johnny has some coins in the following denominations.



Johnny wants to buy a drink from the vending machine for $1. The machine does not accept $1 coins. What is the least number of coins that he can use to buy the drink?

(1) 10
(2) 2
(3) 5
(4) 4

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)

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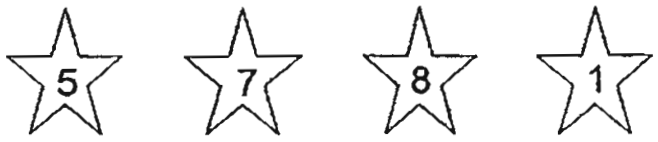
21 Write 7 948 in words.

Ans: _____

22 1 009 is 10 more than _____.

Ans: _____

23 Using all the digits given, what is the largest odd number that can be formed, with the digit 7 in the tens place?



Ans: _____

24 Lynn bought some apples. She gave 4 apples to her friend. She then put the rest of the apples equally into 3 bags. There were 5 apples in each bag. How many apples did Lynn buy?

Ans: _____

(Go on to the next page)

25 What is the missing number in the box?

$$\begin{array}{rcccc} & 3 & 0 & 6 & 5 \\ - & & 4 & \square & 8 \\ \hline & 2 & 5 & 9 & 7 \end{array}$$

Ans: _____

26 John paid $6 for 3 similar rulers. The price of an eraser is half the price of a ruler. What is the total cost of 1 ruler and 1 eraser?

Ans: $_____

27 Arrange the following numbers beginning with the greatest.

5 234, 5 243, 5 432, 5 324

Ans: _____

28 The sum of two numbers is 160. If one number is three times the other number, what is the larger number?

Ans: _____ _____

(Go on to the next page)

29 A plumber was paid $252 for working 6 days. If he worked 7 hours a day, how much was he paid an hour?

Ans: $_____

30 What is the number in the box?

☐ ÷ 9 = 7 R 3

Ans: _____

31 A camera and a radio cost $825. The radio costs $247 less than the camera. How much does the radio cost?

Ans: $_____

32 Jane has 4 times as much money as Ray. If Jane has $396 more than Ray, how much money does Jane have?

Ans: $_____

(Go on to the next page)

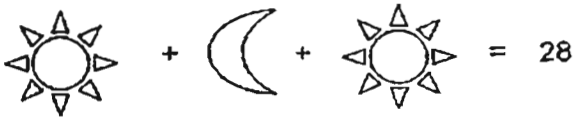
33 Amanda wrote her favourite number in her notebook. The number is more than 30 but less than 40.
It can be divided by 2 and 3 without any remainder.
What is the number written by Amanda?

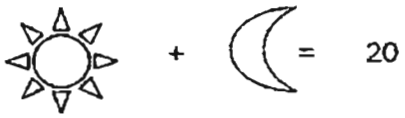
Ans: _____

34 Mangoes are sold at 5 for $2. How much do 15 mangoes cost?

Ans: $_____

35 Look at the question below carefully.





What does  stand for?

Ans: _____

(Go on to the next page)

36 May exchanged $3 into 20-cent coins. How many coins will he get?

Ans: _____

37 Sam, Ryan and Kelvin had $590 altogether. Sam had $140 more than Ryan. Kelvin had the same amount of money as Ryan. How much money did Ryan have?

Ans: $_____

38 Ali emptied his coin box. He had 5 ten-cent coins, 6 twenty-cent coins and 2 one-dollar coins in it. How much money did he have in his coin box?

Ans: $_____

39 Box A has 24 pencils more than Box B. Box A has 132 pencils. How many pencils are there altogether?

Ans: _____

(Go on to the next page)

40 Peter has 468 key chains. He has 68 key chains more than his sister. After giving his sister some key chains, they have the same number of key chains. How many key chains did he give to his sister?

Ans: _____

(Go on to the next page)

For questions 41 to 45, show your working clearly and write your answers in the space provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (18 marks)

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41 There were equal numbers of hens and dogs. They had 72 legs altogether. How many animals were there?

Ans: _____ [3]

42 Rachel had a birthday party. She ordered 15 boxes of doughnuts. There were 4 doughnuts in each box.

(a) If each person ate 5 pieces of doughnuts and there was no doughnut left, how many people attended the party?

(b) If each box of doughnuts cost $5. How much did Rachel pay for the doughnuts?

Ans: (a) _____ [3]

(b) _____ [1]

(Go on to the next page)

43 There were 206 pupils in Primary 3. 14 girls fell ill on Sports Day. The rest of the pupils were divided into 8 teams. How many girls were there in each team?

Ans: _____ [3]

44 Mrs Gopal bought 6 similar blouses and a skirt. She gave the cashier $150 and received $6 as change. If the skirt cost $36, what is the cost of a blouse and a skirt?

Ans: _____ [4]

(Go on to the next page)

45 There were 1 320 people attending a concert. There were 800 more adults than children.

(a) How many children were at the concert?

(b) If there were 3 times as many girls as boys, how many girls attended the concert?

Ans: (a) _____ [2]

(b) _____ [2]

End of Paper

(Go on to the next page)

METHODIST GIRLS SCHOOL (PRIMARY)

P3 MID YEAR SA1 2011
MATHEMATICS
ANSWERS:

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

ANSWER SHEET

EXAM PAPER 2011

SCHOOL : MGS
SUBJECT : PRIMARY 3 MATHEAMATICS

TERM : SA1

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21)Seven thousand, nine hundred and forty-eight

22)999 23)8571 24)19 apples 25)6 26)$3

27)5432, 5324, 5243, 5234 28)120 29)$6 30)66

31)$289 32)$528 33)36 34)$6 35)12 36)15

37)$150 38)$3.70 39)240 40)34

41)12 x 2 = 24
12 x 4 = 48
24 + 48 = 72
There were 24 animals.

42)a)15 x 4 = 60
60÷5 = 12
12 people attended the party
b)15 x 5 = 75
She paid $75 for the doughnuts.

43)206 – 14 = 192
192 ÷8 = 24
There were 24 girls in each team.

44)150 – 6 = 144
144 – 36 = 108
108÷6 = 18
18 + 36 = 54
The cost of a blouse and a skirt is $54.

45)a)1320 – 800 = 520
520÷2 = 260
There were 260 children at the concert.
b)260 ÷ 4 = 65
65 x 3 = 195
195 girls attended the concert.