Name: _____ (  )

Class : Primary 3 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

# Primary 3 Mathematics

## 2014 Semestral Assessment Two

## Booklet A

## 28 October 2014

**TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES**

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 9 printed pages including the cover page.

Section A: (15 x 2 marks)

**For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.**

---

1. In 4076, the digit 4 stands for _____.

   1) 4
   2) 40
   3) 400
   4) 4000

2. 8057 = 8000 + _____ + 7

   1) 5000
   2) 500
   3) 50
   4) 5

3. What is the difference between $\frac{1}{9}$ and $\frac{2}{3}$?

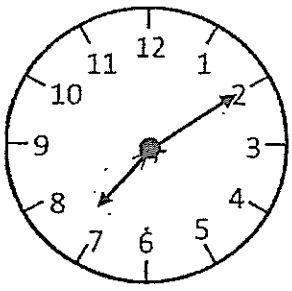
1) $\frac{1}{6}$

2) $\frac{1}{9}$

3) $\frac{5}{9}$

4) $\frac{7}{9}$

4. The clock face shows the time on Mrs Lim's watch. Her watch is half an hour slow. What is the actual time?




1) 6.40

2) 7.40

3) 8.40

4) 9.40

5. Arrange the following fractions in order, beginning with the smallest.

$$\frac{1}{2}, \quad \frac{2}{5}, \quad \frac{1}{10}$$

1) $\frac{1}{10}, \frac{2}{5}, \frac{1}{2}$

2) $\frac{2}{5}, \frac{1}{2}, \frac{1}{10}$

3) $\frac{1}{2}, \frac{2}{5}, \frac{1}{10}$

4) $\frac{1}{2}, \frac{1}{10}, \frac{2}{5}$

6. $8 \times 2 = 2 + 2 + 2 + ____$

1) 6

2) 8

3) 10

4) 16

7. How many tens are there altogether in the product of 8 and 65?

1) 520

2) 480

3) 73

4) 52

8. Bill fell asleep at 10.25 p.m. He woke up at 6.35 a.m. How long did he sleep?

1) 8 h 10 min

2) 7 h 50 min

3) 7 h 10 min

4) 6 h 50 min

9. Which one of the following statements is true?

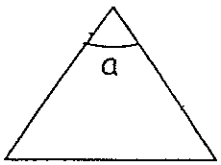


Figure W

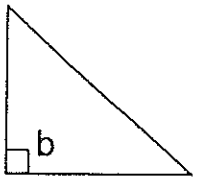


Figure Y

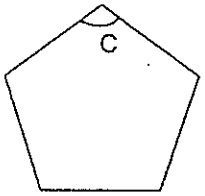


Figure Z

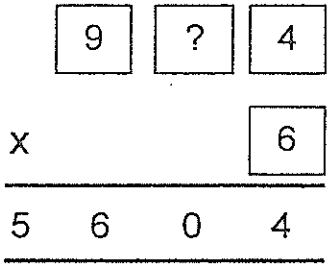
1) Figure Z has four angles.
2) Figure W and Z have no right angles.
3) Angle b is smaller than angles a and c.
4) Angle c is smaller than a right angle.

10. Complete the number pattern below.

2940, 2915 , _____, 2865 , 2840

1) 2880
2) 2885
3) 2890
4) 2895

11. Find the missing digit in the box. What is the missing digit?




1) 0

2) 5

3) 3

4) 4

12. Rulers were sold at 65¢ each. After buying 7 rulers, Betty had $4.20 left. How much money did she have at first?

1) $8.75

2) $8.45

3) $4.55

4) $4.25

13. May bought some sweets. When she packed them into bags of 7, she had no sweets left. When she packed them into bags of 8, she also had none left. How many sweets did she buy?

1) 104

2) 112

3) 161

4) 200

14. In the figure below, how many angles are smaller than a right angle ?

1) 1

2) 2

3) 3

4) 4

15. What is the sum of the smallest 4-digit number and the greatest 3-digit number?

1) 9999

2) 8999

3) 2000

4) 1999

**- END OF BOOKLET A -**

Name: _____ (  )

Class : Primary 3 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

**Primary 3 Mathematics**

**2014 Semestral Assessment Two**

**Booklet B**

**28 October 2014**

| | |
|---|---|
| **Booklet A :** | **/ 30** |
| **Booklet B :** | **/ 50** |
| **Total :** | **/ 80** |

_____

Parent's/Guardian's Signature

**TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES**

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of **13** printed pages including the cover page.

## Section B: (15 x 2 marks)

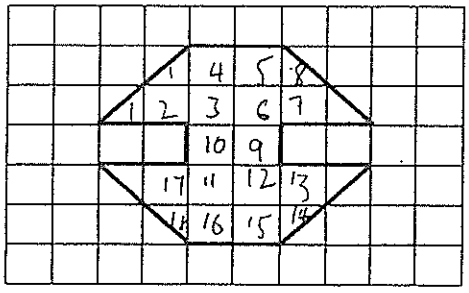
**Write down your answers in the spaces provided. For questions which require units, give your answers in the units stated. Show all workings clearly.**

Do not write in this space

16. When a number is divided by 8, the quotient is 68 and the remainder is 4. What is the number?

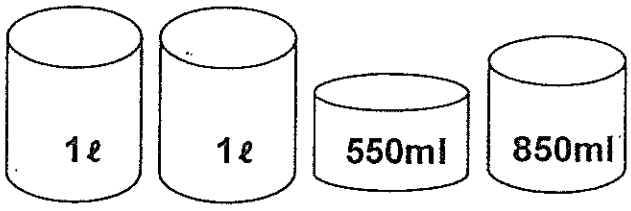
Ans : _____

17. The figure below is made up of 1-unit squares. What is the area of the whole figure?




Ans : _____ square units

18. Find the total capacity of the four containers.




Ans : _____ ℓ _____ mℓ

Study the figure below carefully and answer questions 19 and 20.

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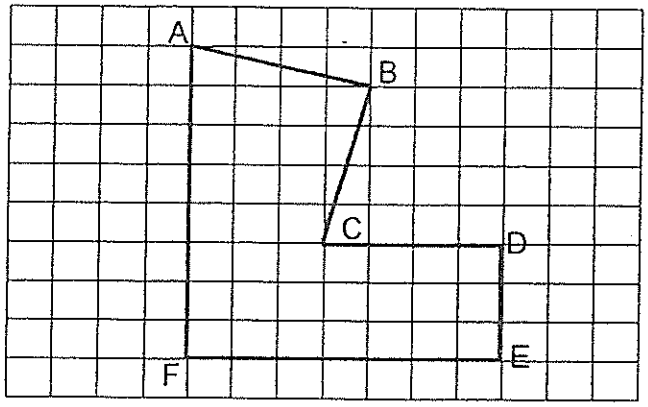


19. Name a pair of parallel lines.

Ans : _____ and _____

20. Name a pair of perpendicular lines.

Ans : _____ and _____

21. Nancy went to the zoo and saw different types of animals. The picture graph below shows the number of each type of animal she saw.

| | | |
|---|---|---|
| Goats | ● ● ● ● | 36 |
| Chickens | ● ● ● ● ● ● | ? |
| Each ● stands for 9 animals | | |

She accidentally spilled ink on a part of the graph. How many chickens did she see?

Ans : _____

22. What is the mass of **1 packet** of milk?

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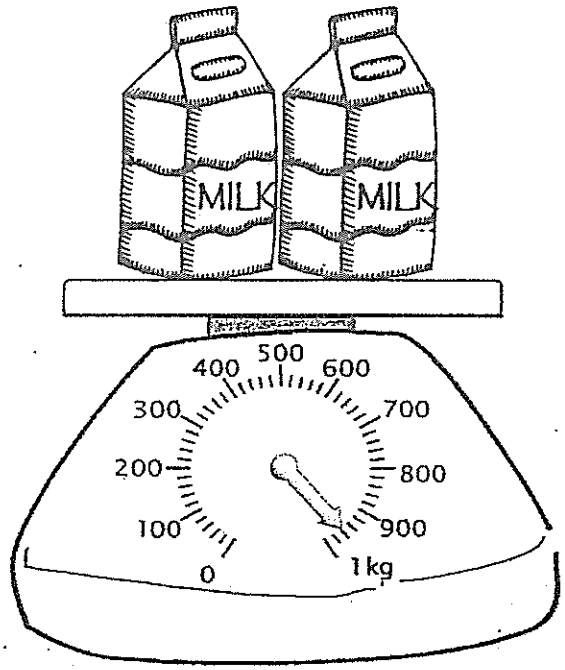



Ans : _____ g

23. There are twice as many boys as girls at an exhibition. There are 2708 fewer girls than boys. How many children are there in all?

Ans : _____

24. Last weekend, **Mr Lin, Mrs Lin and their child** visited a museum. The prices of the admission fees are as follows:

Do not write in this space

| **Admission Fee** |
| --- |
| **$ 3.00 per child** |
| **$ 3.70 per adult** |

Mr Lin paid $50. How much change did he receive?

Ans : $ _____

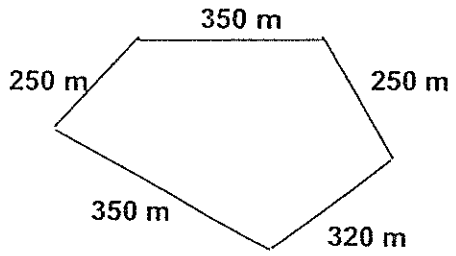
25. The length of a rectangular field is twice its breadth. The length of the field is 16 m. What is the area of the field?

Ans : _____ $m^2$

26. Mohan had 9 word problems to complete for his Mathematics worksheet. He took 5 min for each word problem. Then he read for 1 h 15 min. If he started doing the worksheet at 10.30 a.m., at what time did he finish reading?

Ans : _____ p.m.

27. Find the perimeter of the following figure.




Ans : _____ m

28. Minah wants to decorate all the sides of a square picture frame with ribbon. The length of each side of the frame is 36 cm. The cost of every 9 cm of ribbon is $2. How much does it cost to buy ribbon for all the sides of the frame?

Ans :$ _____

Do not write in this space

29. Shane walks to and fro from the train station to his school from Monday to Friday. The distance from the train station to the school is 872m. What is the total distance that he walks from Monday to Friday?

Do not write in this space

Ans : _____ m

30. Susan baked some cookies. She sold 780 cookies to Karen. She sold 250 more cookies to Tom than to Karen. Then she had 2600 cookies left. How many cookies did she bake?

Ans : _____

## Section C: (20 marks)

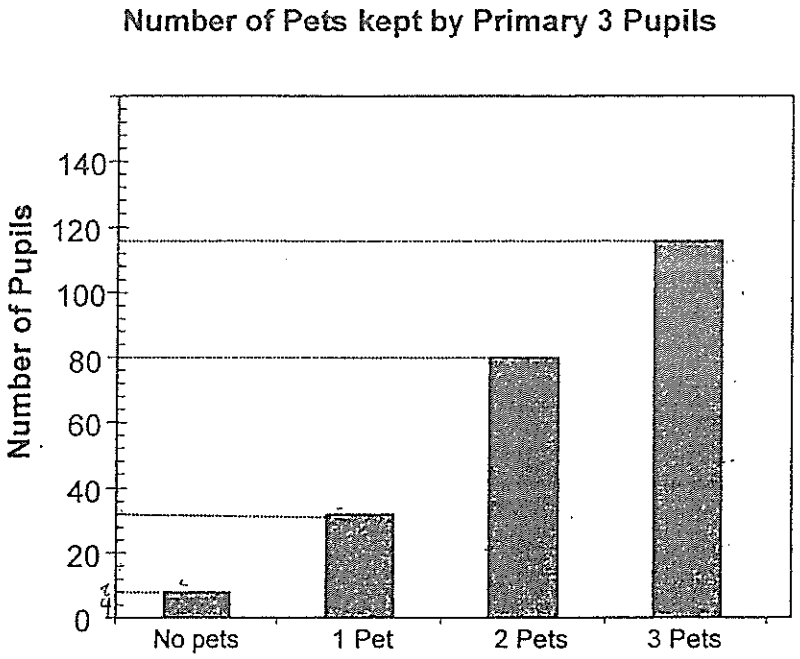
Do not write in this space

For questions **31** to **36**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. **(50 marks)**

31. Mrs Sng is 25 years older than her son. Mr Sng is 6 years older than Mrs Sng. Their son is 5 years old now. How old will Mr Sng be when their son is 20 years old?

Ans : _____ [4]

32. The bar graph shows the number of pets kept by Primary 3 pupils in a school.




(a) How many Primary 3 pupils are there altogether in the school?

(b) What is the total number of pets kept by all the pupils?

Ans : (a) _____ [ 1 ]

(b) _____ [ 2 ]

33. Sammy saved $165 a month. At the end of the 6th month, he gave all the savings to his wife and his two parents. How much did each of them receive?

Do not write in this space

Ans : _____ [ 3 ]

34. Yanhua collected 752 stamps. Peiwen collected 232 stamps. How many stamps must Yanhua give to Peiwen so that both of them will have the same number of stamps?

Do not write in this space

Ans : _____ [ 3 ]

35. Ben has only $5 and $2 notes. He has a total of 38 notes. The total amount he has is $142. How many $2 notes does he have?

Do not write in this space

Ans : _____ [4]

36. Jon ate $\frac{7}{12}$ of a pizza. Bob ate $\frac{1}{12}$ of the same pizza. Dan ate $\frac{1}{6}$ of the same pizza. What fraction of the pizza was left? Leave your answer in the simplest form.

Do not write in this space

Ans : _____ [ 3 ]

**END OF PAPER**

**YEAR:** 2014
**LEVEL:** P3
**SCHOOL:** CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)
**SUBJECT:** MATHEMATICS
**SEMESTER:** SA2

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

| Q11 | Q12 | Q13 | Q14 | Q15 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 1 | 2 | 2 | 4 | | | | | |

16) 548
17) 18 square units
18) 3 litres 400 ml
19) FE and CD
20) AF and FE
21) 9
22) 480 g
23) 8124
24) $39.60
25) 128 $m^2$
26) 12.30 p.m.
27) 1520 m
28) $32
29) 8720 m
30) 4410
31) Mrs Sng's current age
→25+5=30 years old
Mr Sng's current age
→30+6=36 years old
15 years later,
Mr Sng's age
→36+15=51 years old
Ans: 51 years old
32) a) 116+80+32+8=236
Ans: 236 pupils
b) 31x1=31
80x2=160
116x3=348
348+160+32 = 540

Ans: 540 pets

33) $165x6=$990

$990÷3=$330

Ans: $330

34) 752+232=984

984÷2=492

492-232=260

Ans: 260 stamps

35) If Ben had only $5 notes,

Total amount→ $5x38=$190

Difference between the total amounts → $190-$142=$48

$5-$2=$3

Amount of $2 notes→48÷3=16

Ans: 16

36) 1-7/12=5/12

5/12-1/12=4/12

4/12-1/6=4/12-2/12

=2/12

=1/6

Ans: 1/6