

# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



## END-OF-YEAR EXAMINATION 2013 PRIMARY 3 MATHEMATICS

(BOOKLET A)

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: 8 October 2013

**This booklet consists of 6 printed pages including this page.**

## section A

Questions 1 to 16 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)

- 
- 1 7 503 is the same as \_\_\_\_\_.
- (1)  $700 + 50 + 3$
  - (2)  $7\ 000 + 50 + 3$
  - (3)  $7\ 000 + 500 + 3$
  - (4)  $7\ 000 + 5000 + 3$
- 2 When 37 is divided by 6, the quotient is \_\_\_\_\_.
- (1) 7
  - (2) 6
  - (3) 5
  - (4) 4
- 3  $5 \times 6 =$  \_\_\_\_\_  $\times 2$
- (1) 15
  - (2) 22
  - (3) 30
  - (4) 60
- 4 Wee Heng bought a dress and three similar pairs of trousers. The dress cost \$40. She gave the cashier \$150 and received \$26 in change. How much was each pair of trousers?
- (1) \$28
  - (2) \$45
  - (3) \$54
  - (4) \$84
- 5 Li Fang was 25 minutes late for the flag raising ceremony. If she reached school at 8:10 a.m., what time did the flag raising ceremony start?
- (1) 7.35 a.m.
  - (2) 7.40 a.m.
  - (3) 7.45 a.m.
  - (4) 8.35 a.m.

(Go to the next page)

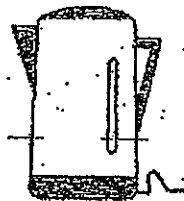
6 How many grams are there in 3kg 3g?

- (1) 303g
- (2) 330g
- (3) 3 003g
- (4) 3 030g

7 A watermelon weighs 1kg 250g. A durian weighs 230g more.  
The total mass of the 2 fruits is \_\_\_\_\_.

- (1) 1kg 020g
- (2) 2kg 730g
- (3) 3kg 400g
- (4) 950g

8 What is the total capacity of the two containers shown below?



1000ml



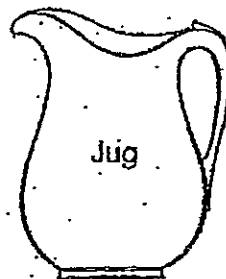
2500ml

- (1) 1l 000ml
- (2) 1l 500ml
- (3) 2l 600ml
- (4) 3l 500ml

9 8 packets of milk can fill half the jug. What is the capacity of the jug?

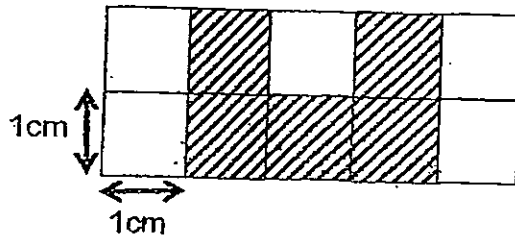


250 ml



- (1) 1l
- (2) 2l
- (3) 8l
- (4) 4l

What is the perimeter of the shaded figure below?

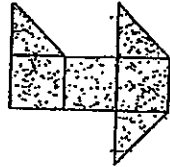


- (1) 5 cm
- (2) 9 cm
- (3) 11 cm
- (4) 12 cm

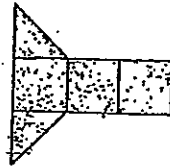
- 11 In the following figures, each square is 1 square unit.  
Which of the following figures below have the same area?



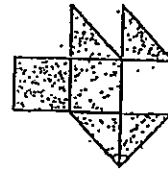
A



B



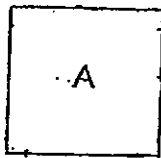
C



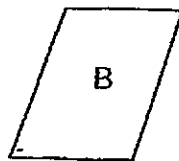
D

- (1) A and B
- (2) B and C
- (3) B and D
- (4) C and D

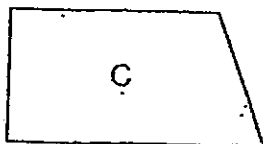
- 12 Which of the following figure contains 4 right angles and 2 pairs of parallel lines?



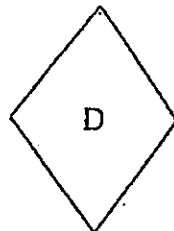
A



B



C



D

- (1) A
- (2) B
- (3) C
- (4) D

(Go to the next page)

13 Which of the following fractions is not equivalent to  $\frac{2}{6}$ ?

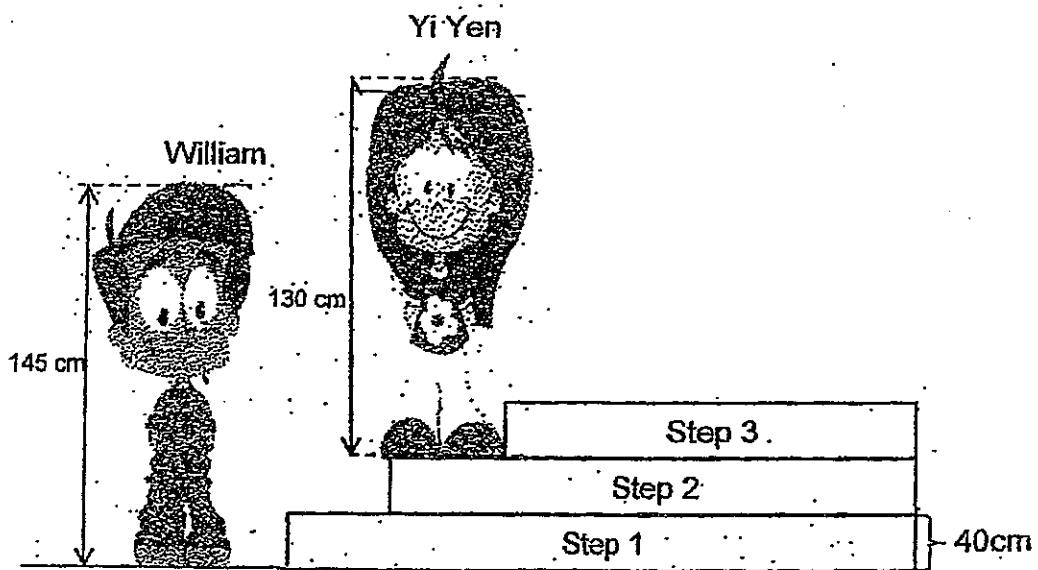
(1)  $\frac{1}{3}$

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

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

(4)  $\frac{4}{12}$

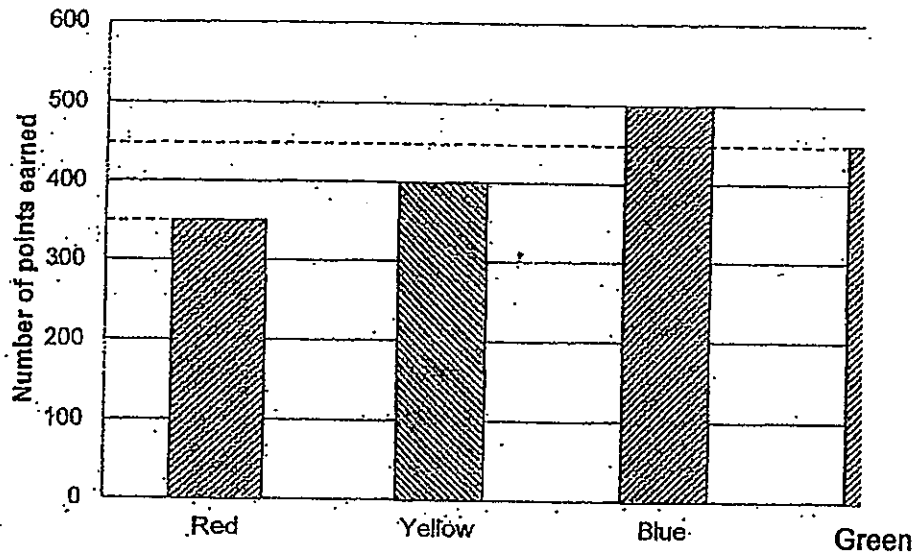
14 William's height is 145 cm. Yi Yen's height is 130 cm. Each step is 40 cm high. How much taller is Yi Yen than William when Yi Yen is standing on Step 2?



- (1) 15 cm.  
(2) 25 cm  
(3) 55 cm  
(4) 65 cm

The bar graph below shows the number of points won by the different houses during Lower Primary Sports Day. Study the graph below and answer Questions 15 and 16.

### Lower Primary Sports Day



15. Which of the houses won more than 350 points but less than 500?

- (1) Red and Green
- (2) Red and Blue
- (3) Yellow and Blue
- (4) Yellow and Green

16. What is the total number of points won by the top 3 houses?

- (1) 400
- (2) 500
- (3) 1 350
- (4) 1 450

# METHODIST GIRLS' SCHOOL (PRIMARY)

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## END-OF-YEAR EXAMINATION 2013 PRIMARY 3 MATHEMATICS

(BOOKLET B)

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: 8 October 2013

<b>Booklet A</b>	/ 32
<b>Booklet B</b>	/ 38
<b>Booklet C</b>	/ 20
<b>TOTAL</b>	/ 90

This booklet consists of 7 printed pages including this page.

## section B

Questions 17 to 35 carry 2 marks each. Write your answers in the spaces provided or questions which require units, give your answers in the units stated. (38 marks)

---

17 How many tens are there in 4 700?

Ans: \_\_\_\_\_

18 I am a 4-digit number. When I'm divided by 7, my quotient is 661 and my remainder is 2. What number am I?

Ans: \_\_\_\_\_

19

$$\text{⚡} + \text{★} + \text{○} = 210$$

$$\text{○} + \text{○} + \text{○} = 180$$

$$\text{★} + \text{★} = 76$$

Find the value of



Ans: \_\_\_\_\_

20  $\$70.50 - \$34.75 =$  \_\_\_\_\_

Ans: \$ \_\_\_\_\_

(Go on to the next page)



- 21 Look at the bill below

Pizza Village 10 Blackhole Road Tel: 6435890 GST Registration Number M2-0084383-1	
Soup	\$ 2.90
Main Course	\$ 15.95
Desert	\$ 3.50
Drinks	\$

Sue Ling spent \$25.50 on her lunch. How much was her drink?

Ans: \$ \_\_\_\_\_

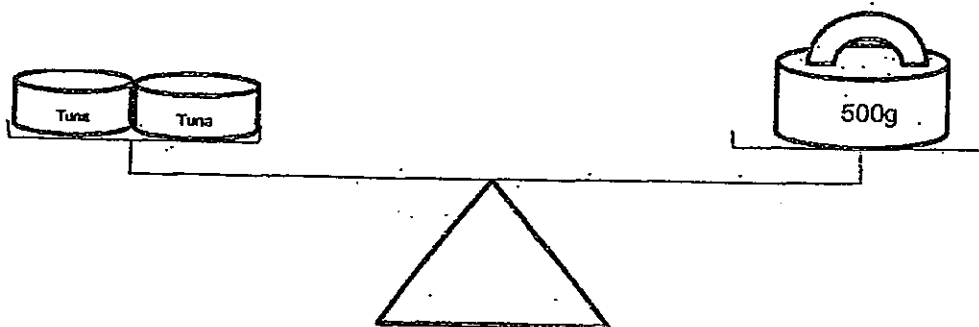
22  $3\ 700\text{m} + 465\text{m} =$  \_\_\_\_\_ km \_\_\_\_\_ m.

Ans: \_\_\_\_\_ km \_\_\_\_\_ m

- 23 Rope A is thrice as long as Rope B. When 45 cm of Rope A was cut off, Rope B is 165 cm shorter than Rope A. What is the length of Rope B?

Ans: \_\_\_\_\_ cm

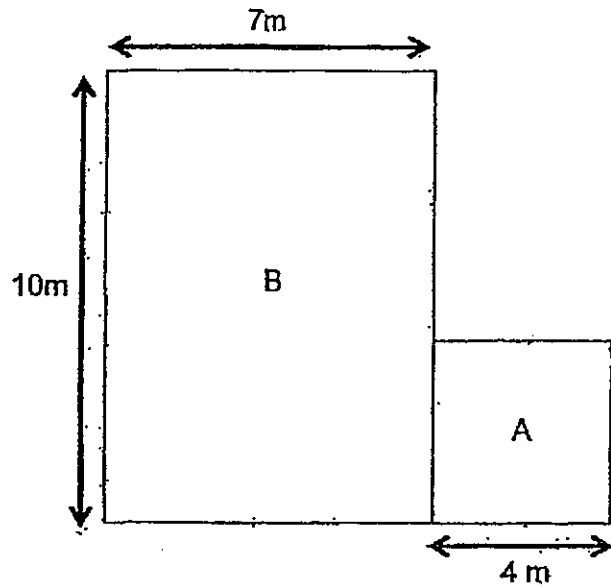
- 24 Study the diagram below.



Find the mass of 5 such tins of tuna.

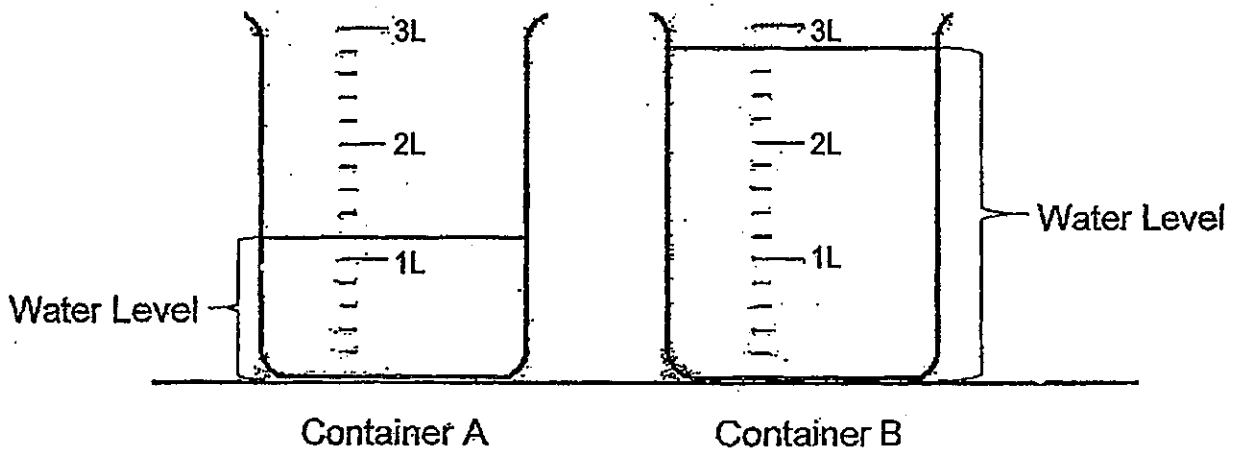
Ans: \_\_\_\_\_ kg \_\_\_\_\_ g

The figure below is made up of Square A and Rectangle B. Find the perimeter of the figure.



Ans: \_\_\_\_\_ m

- 26 Containers A and B contain some water. How much water must be poured from B into A so that the two containers will have the same amount of water?



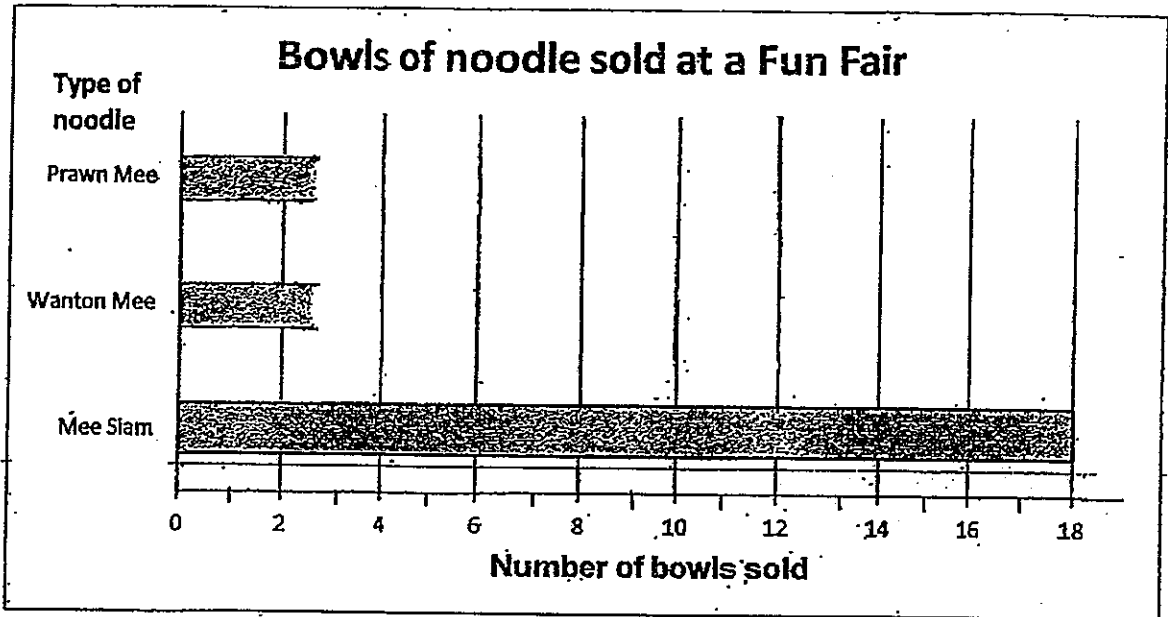
Ans: \_\_\_\_\_ mL

(Go on to the next page)

27 The graph below shows the number of bowls of noodle sold by Mr. Lim at a Fun Fair

Type of Noodle	Number of bowls
Mee Siam	18
Wanton Mee	9
Prawn Mee	12

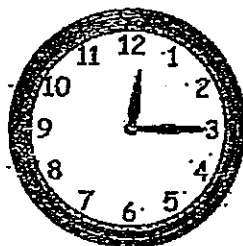
Complete the bar graph to show the number of bowls of the different types of noodle Mr. Lim sold.



28 Larry went to the school funfair at 8.30 a.m. He left at 12.10 p.m. How long did he stay at the fun fair?

Ans: \_\_\_\_ h \_\_\_\_ min

29 The clock below shows the time on Tessie's watch. It is 40 minutes fast. What is the actual time?



\_\_\_\_\_

(Go on to the next page)

30.  $\frac{2}{3} = \frac{\square}{6}$ . What is the missing number in the box?

Ans: \_\_\_\_\_

31 Arrange the following fractions in increasing order.

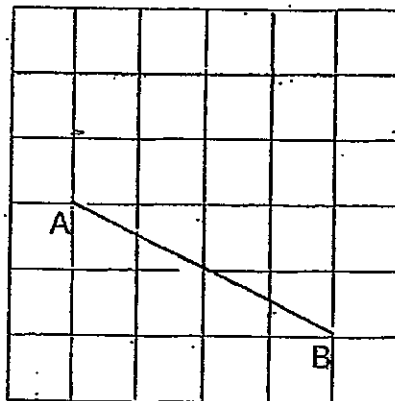
$$\frac{3}{6}, \frac{3}{8}, \frac{3}{4}$$

Ans: \_\_\_\_\_

32 Megan bought a pizza and divided it into 7 pieces. She ate a slice, gave 2 slices to her sister and gave the remaining slices to her friends. What fraction of the pizza did she give to her friends?

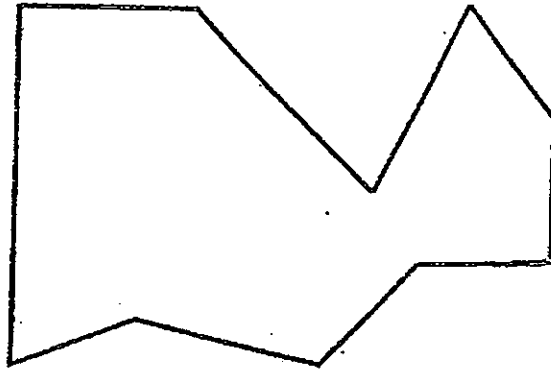
Ans: \_\_\_\_\_

33 Use a ruler to draw a line parallel to Line AB.

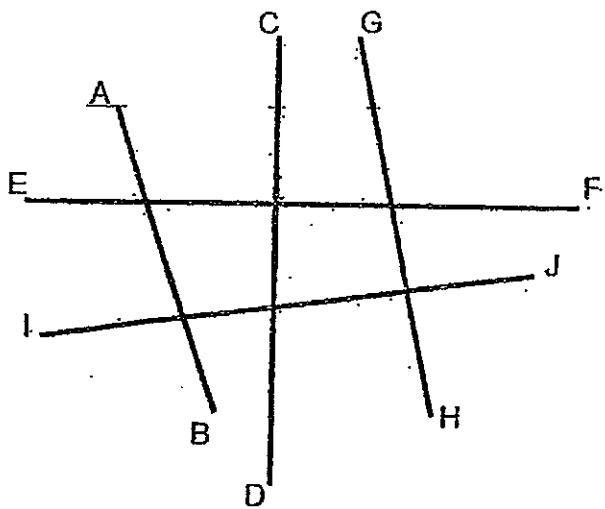


(Go on to the next page)

- 34 Mark all the right angles in the figure below.



- 35 Name a pair of perpendicular lines in the figure below.



Ans: \_\_\_\_\_

# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



## END-OF-YEAR EXAMINATION 2013 PRIMARY 3 MATHEMATICS

(BOOKLET C)

Total Time: 1 h 45 min

### INSTRUCTIONS TO CANDIDATES

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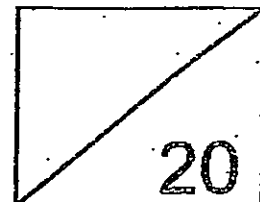
Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) Provided.

Name: \_\_\_\_\_ ( )

Class: Primary 3. \_\_\_\_\_

Date: 8 October 2013



This booklet consists of 6 printed pages including this page.

**Section C**

For questions 36 to 40, 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. (20 marks)

---

- 36 Baker Lim mixed 680g of flour and 225g of yeast. He used 45g of the mixture to bake a cake. He baked 9 similar cakes altogether. How much mixture was left?

Ans: \_\_\_\_\_ [4]

- 37 Jack and Jill spent a total of \$256 at a shopping mall. Jack spent \$104.70. How much more money did Jill spend than Jack?

Ans: \_\_\_\_\_ [4]



Davi took 1 h 25 minutes to complete her Mathematics homework. She took 40 minutes less to complete her English homework.

- (a) What was the total time taken for Davi to complete her homework?
- (b) If she started doing her homework at 4.50 p.m., what time did Davi complete her Mathematics homework?

Ans: (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]

39 Clara bought 1 m of cloth.

She used  $\frac{1}{8}$  m to make a handkerchief.

$\frac{1}{4}$  m more cloth was used to make a pencil case than the handkerchief.

What fraction of the cloth had she left?

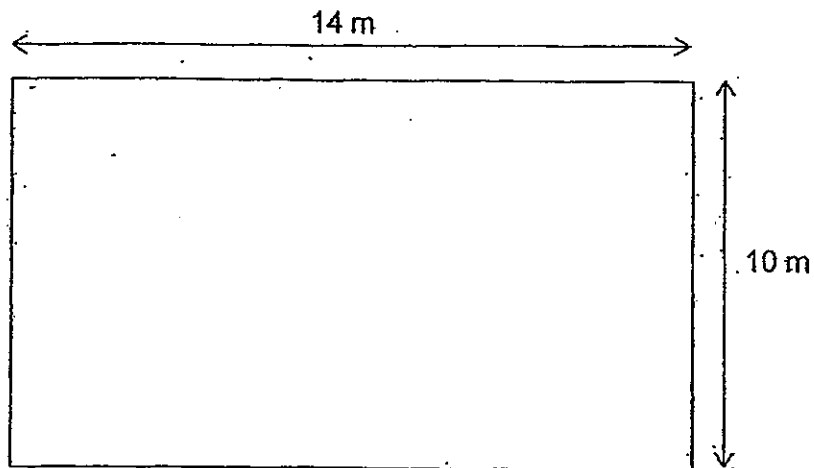
(Give your answer in the simplest form.)

Ans: \_\_\_\_\_ [4]

Mr Chan had a rectangular plot of land, 14 m by 10 m. He wanted to build a fence surrounding the land.

(a) What is the total length of fence needed to surround the land?

(b) If it cost \$9 to tile  $1\text{m}^2$ , how much will it cost to tile the whole plot of land?



Ans: (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]

—End of Paper—

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in the context of public administration and financial management. The text notes that without reliable records, it is difficult to track the flow of funds and ensure that resources are being used as intended.

2. The second part of the document addresses the challenges associated with data collection and analysis. It highlights that gathering comprehensive data from various sources can be a complex and time-consuming process. However, the benefits of having a robust data infrastructure are significant, as it enables decision-makers to base their actions on evidence and insights derived from the data. The document suggests that investing in modern data management systems and training staff in data literacy are key strategies to overcome these challenges.

3. The third part of the document focuses on the role of technology in improving operational efficiency. It discusses how digital tools and automation can streamline processes, reduce errors, and free up resources for more strategic tasks. Examples of such technologies include cloud-based collaboration platforms, artificial intelligence for data analysis, and digital signature systems. The document stresses that while technology offers great potential, it must be implemented thoughtfully, with a focus on user adoption and integration with existing workflows.

4. The final part of the document concludes by reiterating the need for a holistic approach to organizational improvement. It calls for a combination of strong leadership, clear communication, and a commitment to continuous learning and innovation. By addressing the issues of record-keeping, data management, and technology adoption in a coordinated manner, organizations can enhance their performance and better serve their stakeholders.

# ANSWER SHEET

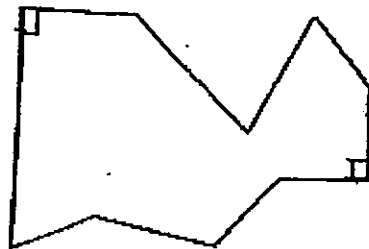
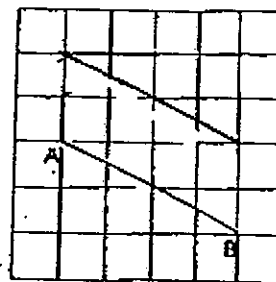
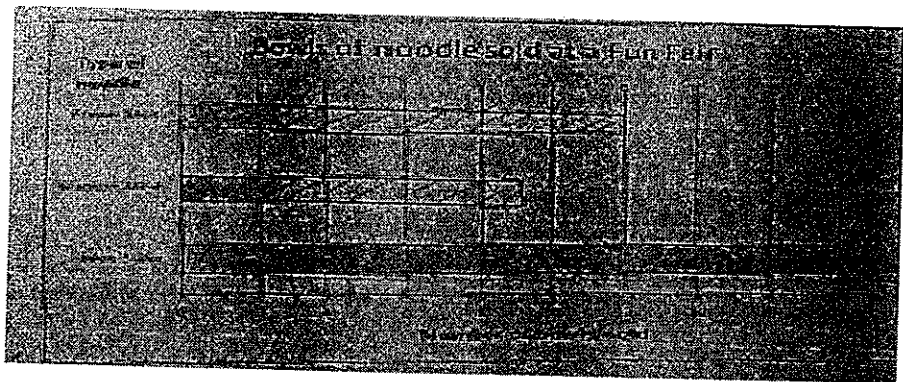
## EXAM PAPER 2013

SCHOOL : METHODIST GIRLS` PRIMARY SCHOOL  
 LEVEL : PRIMARY 3  
 SUBJECT : MATH  
 TERM : SA2

### Booklet A

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

- 17.470
- 18.4629
- 19.112
- 20.35.75
- 21.3.15
- 22.4km165m
- 23.315cm
- 24.1kg250g
- 25.42m
- 26.800ml
- 27.
- 28.3h40min
- 29.1135
- 30.4
- 31.  $\frac{3}{8}$ ,  $\frac{3}{6}$ ,  $\frac{3}{4}$
- 32.  $\frac{4}{7}$
- 33.
- 34.
- 35. CD and EF
- 36.  $680+225=905$   
 $45 \times 9=405$   
 $905-405=500$



$$37.256-104.70=151.3$$

$$151.3-104.70=46.6$$

$$38.1\text{h}25\text{min}-85\text{min}$$

$$85-40=45\text{ min}$$

$$1\text{h}25+45=2\text{h}10\text{min}$$

$$4.50+2\text{h}10\text{min}=7\text{ p,}$$

$$39.1-1/8=7/8$$

$$1/8+1/4=3/8$$

$$7/8-3/8=4/8=1/2$$

$$40\text{a}).14+14+10+10=48$$

$$\text{b}).14\times 10\times 9=1260$$