METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

MID-YEAR EXAMINATION 2013
PRIMARY 4 MATHEMATICS
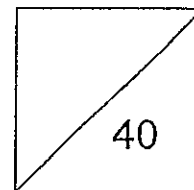BOOKLET A

Total Time: 1 h 45 minutes

INSTRUCTIONS TO CANDIDATES

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

Name: _____ (   )

Class: Primary 4._____

Date :   14 MAY 2013

40

This booklet consists of 9 printed pages including this page.

Section A: (40 marks)
For each of the following question, four options are given.
One of them is the correct answer.
Make your choice (1, 2, 3, 4). Shade the oval (1, 2, 3, 4) on the Optical
Answer Sheet.

1.   What is the value of the digit 8 in 58 946?

     (1)   8 x 10

     (2)   8 x 100

     (3)   80 x 10

     (4)   80 x 100

2.   What is the difference between 89 402 and 968? Round off your answer
     to the nearest ten.

     (1)   88 400

     (2)   88 420

     (3)   88 430

     (4)   88 440

3.   The numbers below are arranged in descending order.
     What are the missing numbers?

     31 459,   30 439,   _____,   _____,   27 379,   26 359

     (1)   28 419,   27 399

     (2)   28 399,   27 379

     (3)   29 419,   28 399
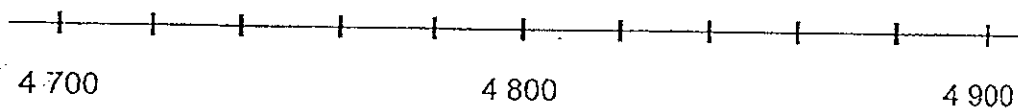
     (4)   29 399,   28 379

4. Which one of the following numbers is the **second** common multiple of 4 and 6?

    (1)   12

    (2)   20

    (3)   24

    (4)   48

5. Which one of the following are common factors of 18 and 24?

    (1)   1, 2, 3 and 4

    (2)   1, 2, 3 and 6

    (3)   1, 2, 4 and 6

    (4)   1, 3, 4 and 5

6. Which one of the following numbers is closest to 4 800 on a number line?

```
—+——+——+——+——+——+——+——+——+——+——+—
 4 700                    4 800                    4 900
```

    (1)   4 799

    (2)   4 789

    (3)   4 849

    (4)   4 810

7. The chairs in a hall are arranged in rows. There are 24 rows.
Each row has 75 chairs. How many chairs are there in the hall?
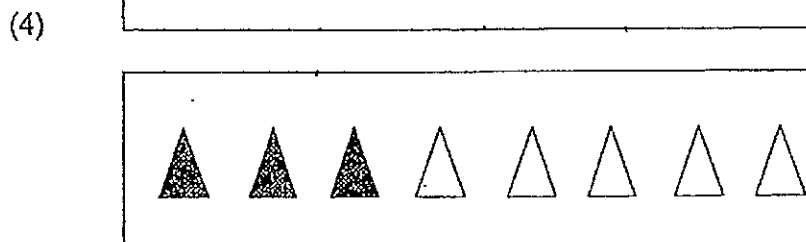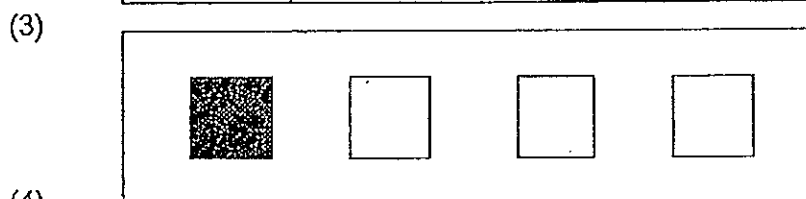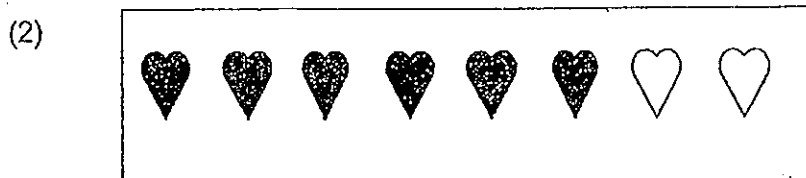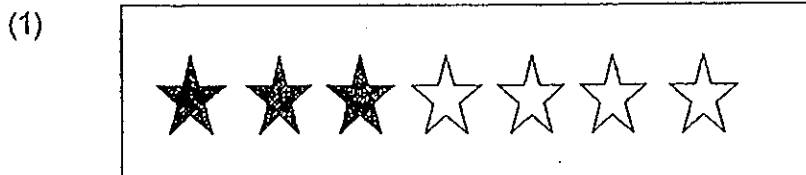
(1) 288

(2) 450

(3) 1 600

(4) 1 800

8. ☆ + ☆ + ☆ + ☆ = 372 X 5

What number does ☆ represent?

(1) 93

(2) 465

(3) 1 488

(4) 1 860

9. Which of the following shows $\frac{3}{4}$ of the set is shaded?

(1)

★ ★ ★ ☆ ☆ ☆

(2)

♥ ♥ ♥ ♥ ♥ ♥ ♡ ♡

(3)

■ ☐ ☐ ☐

(4)

▲ ▲ ▲ △ △ △ △ △

Use the table below to answer questions **10, 11** and **12.**
The table shows the number of apples picked by 5 children.

	Name	Number of apples picked
Girls	Ai Ling	50
	Betty	45
	Siti	60
Boys	Gopal	66
	Ming	100

10. $\frac{2}{5}$ of the apples picked by Ming were red. How many red apples did he pick?

    (1)   20

    (2)   25

    (3)   40

    (4)   50

11. How many apples must Ming give to Gopal so that both of them have the same number of apples?

    (1)   17

    (2)   34

    (3)   36

    (4)   46

12. How many more apples must the girls pick in order to have twice as many apples as the boys?

    (1)   155

    (2)   166

    (3)   177

    (4)   332

13. Express $4\frac{3}{4}$ as an improper fraction.

   (1) $\frac{7}{4}$

   (2) $\frac{11}{4}$

   (3) $\frac{16}{4}$

   (4) $\frac{19}{4}$

14. Which one of the following is arranged from the greatest to the smallest?

   (1) $\frac{3}{4}, \frac{2}{3}, \frac{5}{12}$

   (2) $\frac{5}{12}, \frac{2}{3}, \frac{3}{4}$

   (3) $\frac{3}{4}, \frac{5}{12}, \frac{2}{3}$

   (4) $\frac{2}{3}, \frac{3}{4}, \frac{5}{12}$

15. What is the missing number in the box?

   $5\frac{3}{4} = 2 + \frac{\square}{4}$

   (1) 9

   (2) 6

   (3) 3

   (4) 15

16. A pizza was cut into 9 pieces. Tim ate $\frac{1}{9}$ of the pizza. Alex ate 1 piece more than Tim and 2 pieces fewer than Kent.
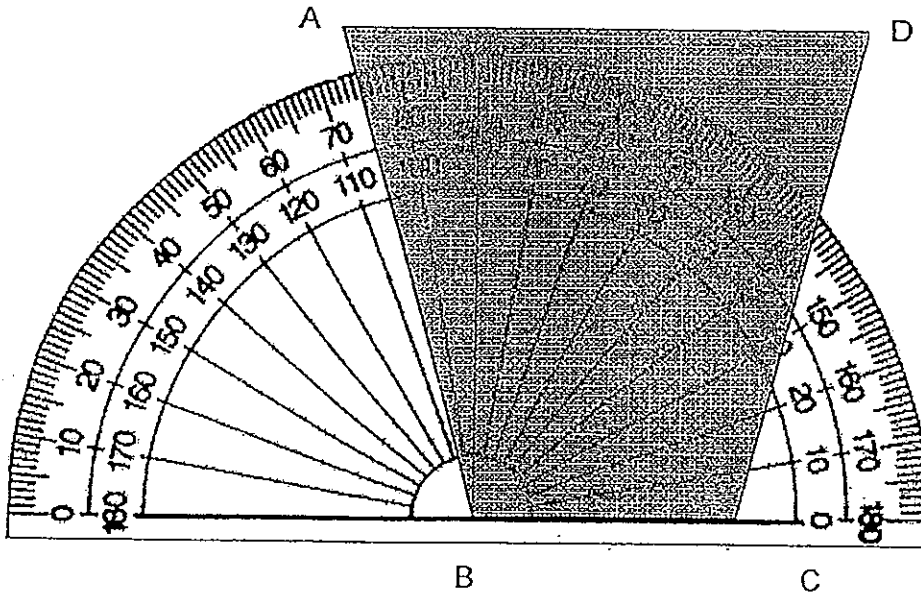Bill ate the rest of the pieces. What fraction of the pizza did Bill eat?

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

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

(3) $\frac{4}{9}$

(4) $\frac{5}{9}$

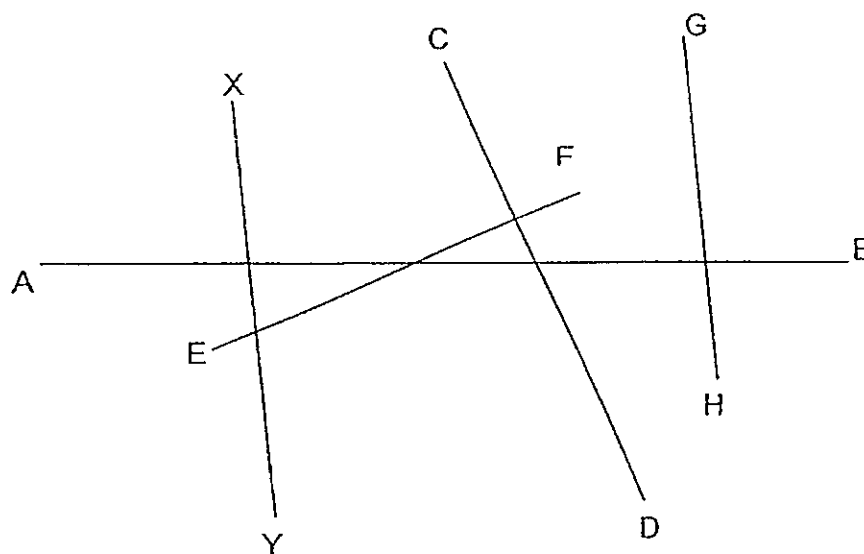17. What is $\angle$ ABC in the figure below?
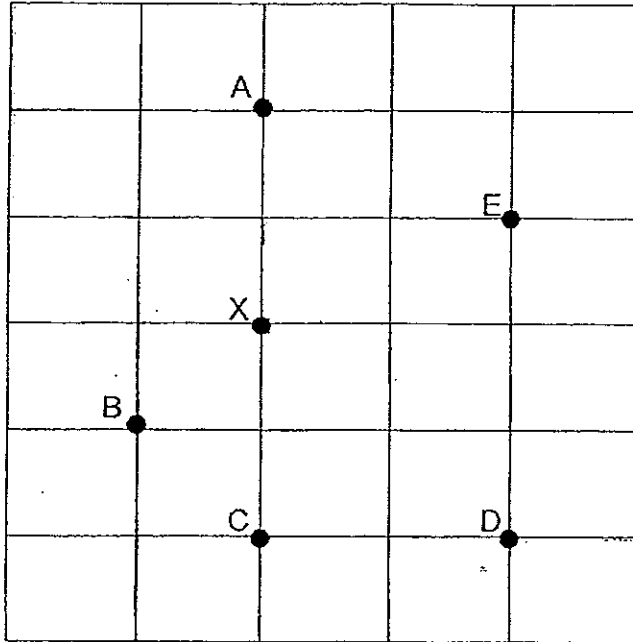

(1) 75°

(2) 85°

(3) 105°

(4) 115°

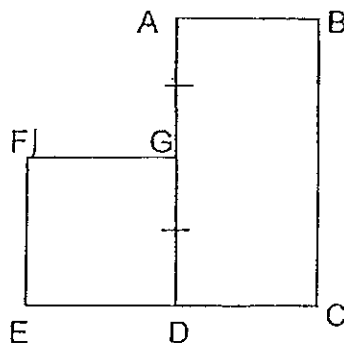18. In the figure below, which two lines are perpendicular to each other?

(1) GH ⊥ AB

(2) XY ⊥ AB.

(3) XY ⊥ GH

(4) CD ⊥ EF

19. Look at the figure below. Jane is standing at a point marked X in the figure below. She will face A after she turns 135° anti-clockwise. Where was Jane facing **before** making the turn?

(1) B

(2) C

(3) D

(4) E

20. The figure below is made up of a rectangle and a square. AB is 5 cm and BC is twice as long as AB. What is the perimeter of the figure?

(1) 30 cm

(2) 40 cm

(3) 45 cm

(4) 75 cm

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MID-YEAR EXAMINATION 2013
PRIMARY 4 MATHEMATICS
BOOKLET B

Total Time: 1 h 45 minutes

INSTRUCTIONS TO CANDIDATES

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

Name: _____ (   )

Class: Primary 4._____

Date: 14 MAY 2013

BOOKLET A	40
BOOKLET B	40
BOOKLET C	20
TOTAL	100

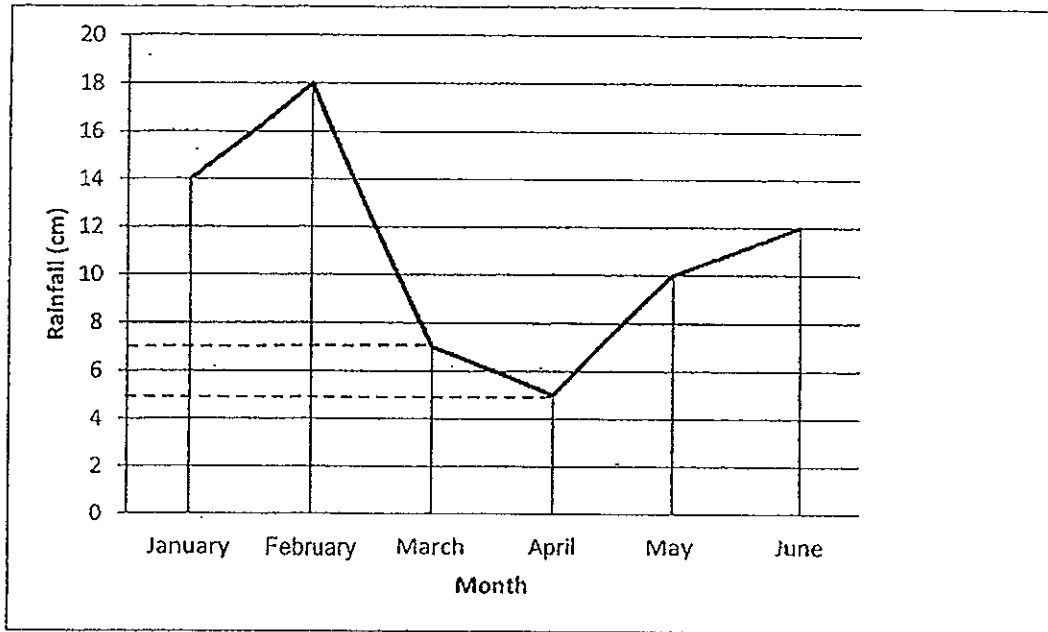This booklet consists of 9 printed pages including this page.

Section B: (40 marks)
Write your answers in the space provided.
For questions which require units, give your answers in the units stated.

Use the information below to answer questions **21** and **22**.
The graph shows the monthly rainfall from January to June in 2012.

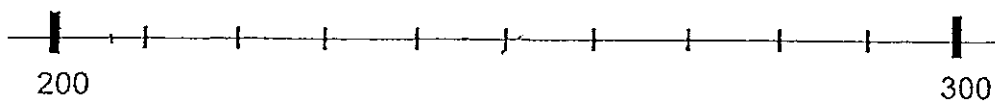21. What was the decrease in rainfall between February and March?

Ans: _____ cm

22. In which 1-month period was there an increase of 5 cm in the monthly rainfall?

Ans: From_____to_____

23. On the number line below,
    (a)   mark the value 245 with a 'X'.
    (b)   circle the answer when 245 is rounded off to the nearest hundred.

200   300

(Go on to the next page)

24. What is the quotient when 5 033 is divided by 8?

Ans: _____

25. Use all the digits 2, 4, 5, 8 and 9, to form the smallest five-digit **even** number with digit 4 in the hundreds place.

Ans: _____

26. I have fewer than 30 marbles. I can put them equally into bags of 2, 4, or 7 without any remainder. How many marbles do I have?

Ans: _____

Use the information below to answer questions **27** and **28**.
The table shows the number of Primary 4 children in the various CCA groups in Blackmore Primary School.

	Number of boys	Number of girls	Total
Basketball	35	18	53
Swimming	?	17	40
Library Club	15	20	35
Pottery Club	22	30	52
Total			?

27.   How many boys joined swimming?

Ans: _____

28.   There were 200 children in Primary 4.
      How many children did not join any CCA groups?
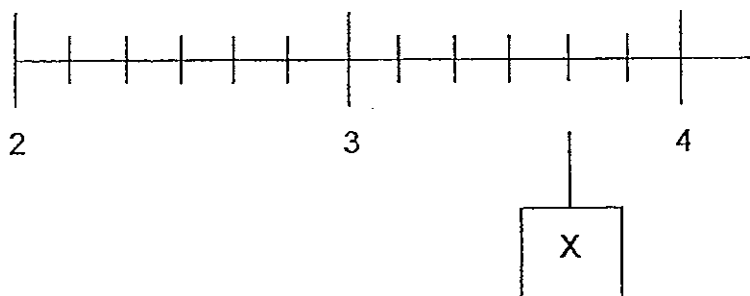
Ans: _____

29.   What is the missing number in the box?

$$2\frac{5}{6} + \frac{1}{3} = \frac{\boxed{}}{6}$$

Ans: _____

30. What is the value of X on the number line below?
Give your answer as an **improper fraction in its simplest form**.

Ans: _____

31. There are 4 red roses, 6 yellow roses and 8 white roses in a vase. What fraction of the roses is white? Give your answer in its simplest form.

Ans: _____

32. Mary spent $\frac{4}{9}$ of her money on a book and had $15 left.
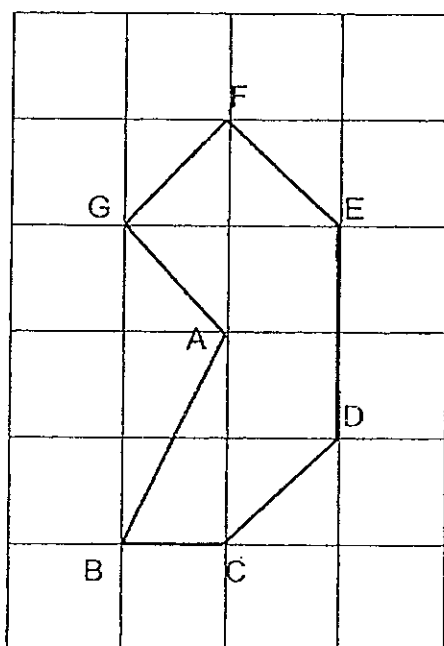How much did she have at first?

Ans: $_____

33. There were 1600 people at a Science fair. 600 of them were adults and the rest were children. If $\frac{2}{5}$ of the children were girls, how many boys were there?
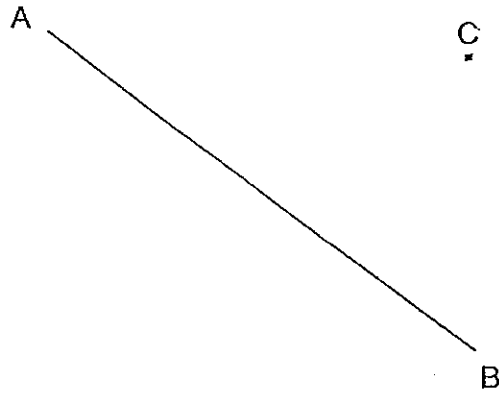
Ans: _____

34. (a) Name a line that is parallel to CD.
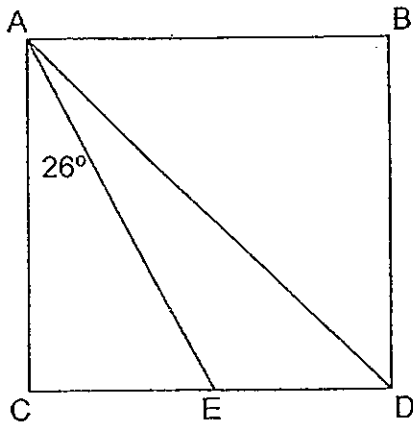   (b) Name a line that is perpendicular to EF.

Ans: (a) _____ // _____

(b) _____ ⊥ _____.

35. The figure below shows a line AB and a point C.
Draw a line perpendicular to AB passing through point C. Mark the angle.

A

C

B

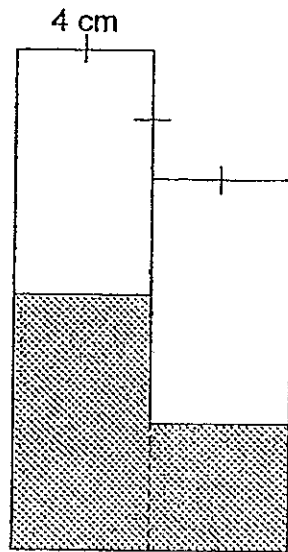36. In the figure shown below, ABCD is a square.
$\angle CAE = 26°$, Find $\angle DAE$.

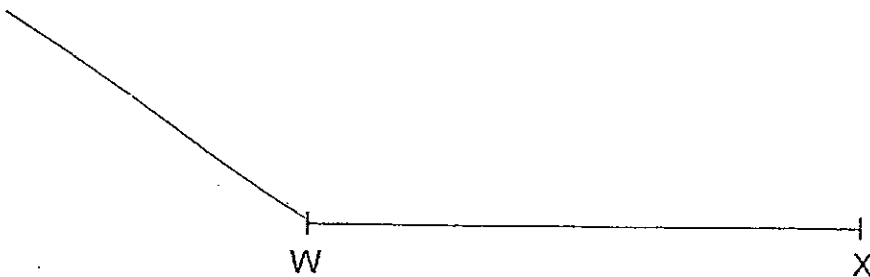A   B

26°

C   E   D

Ans: _____ °

(Go on to the next page)

37. The figure below is made up of 3 identical rectangles and a square. What is the perimeter of the shaded part?
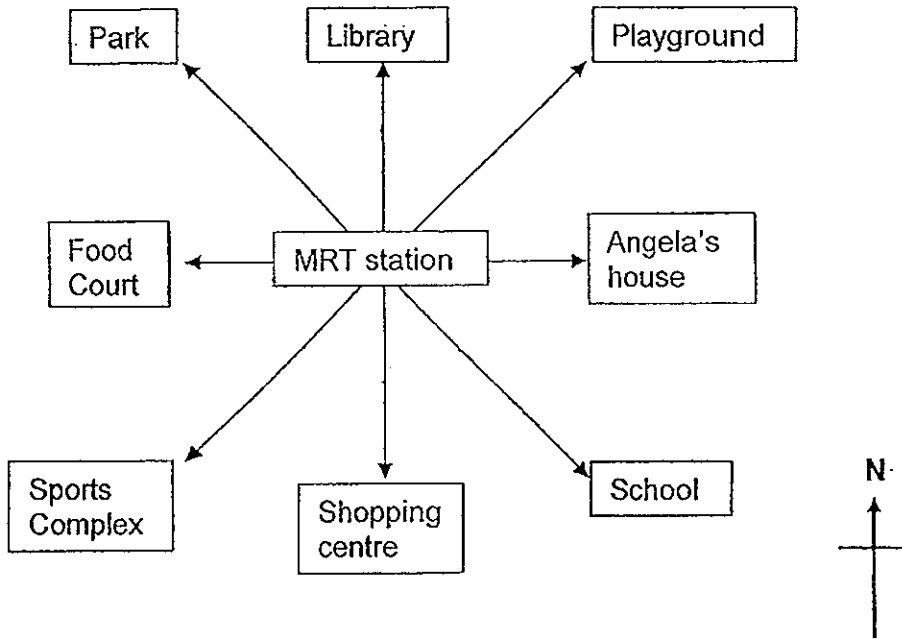
4 cm

Ans: _____ cm

38. The figure below shows a line WX. Draw $\angle XWZ = 145°$. Mark and label the angle.

W   X

Use the figure to answer questions **39** and **40**.

39(a). The Sports Complex is _____ of the MRT station.

(b) The _____ is east of the Library.

Ans:(a) _____

(b) _____

40. Angela is standing at the MRT station facing her house. She makes a $\frac{3}{4}$ - turn in a clockwise direction. Where would she be facing?

Ans: _____

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PRIMARY 4 MATHEMATICS
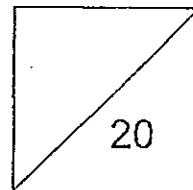BOOKLET C

Total Time: 1 h 45 minutes

INSTRUCTIONS TO CANDIDATES

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

Name: _____ ( )

Class: Primary 4. _____

Date: 14 MAY 2013

20

This booklet consists of 6 printed pages including this page.

Section C: (20 marks)
Show your working clearly in the space provided for each question 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.

41.   Mrs Tan bought 3 ℓ of lemonade. Her daughter drank $\frac{1}{4}$ ℓ and her son

drank $\frac{3}{8}$ℓ.   After Mrs Tan drank some of the lemonade, there was $1\frac{1}{2}$ ℓ left.

(a) How much more lemonade did her son drink than her daughter?
(b) How much lemonade did Mrs Tan drink?

Ans: (a)_____ [1]

(b)_____ [3]

(Go on to the next page)

42. Three sisters counted their money in their piggy bank.
May had $947 more than Ling and Siew had $75 more than May.
If May had $1 455, what was the total amount of money the three sisters had?

Ans: _____ [4]

43.   Jenny bought a total of 20 pens and erasers.
      The pen cost $3 each and the eraser cost $1 each.
      Jenny paid the cashier $50 and received $6 as change.
      How many pens did Jenny buy?

Ans: _____ [4]

44. John had 640 Singapore stamps and 450 Malaysian stamps in his collection.
He exchanged some of his Malaysian stamps for an equal number of Singapore stamps.
He now has 4 times as many Singapore stamps as Malaysian stamps.

(a) What is the total number of stamps John has?

(b) How many more Singapore stamps were added to his collection?

Ans: (a) _____ [1]

(b) _____ [3]

45. Lucy had a sum of money. She spent $\frac{3}{8}$ of her money on stationery, $\frac{1}{4}$ of her money on books and $45 on a blouse. She had $15 left after spending on the items. How much money did she have at first?

Ans: _____ [4]

END OF PAPER

ANSWER SHEET

EXAM PAPER 2013
SCHOOL : MGS
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
4	3	3	3	2	1	4	2	2	3	1	3	4	1	4	2	3

Q18	Q19	Q20
4	3	2

21)11cm   22)April to May   23)

24)629   25)25498   26)28 marbles   27)23 boys
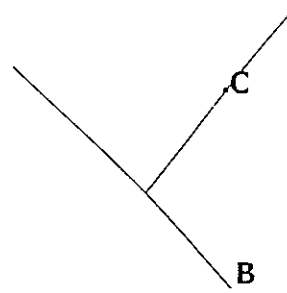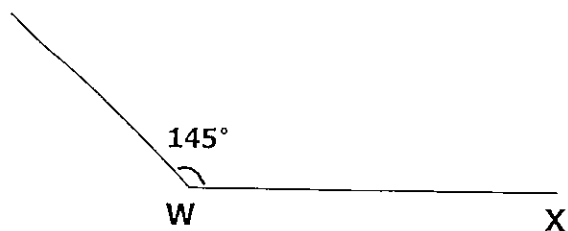
28)20 children   29)19   30)11/3   31)4/9   32)$27

33)600 boys   34)a)CD//GF   b)EF//FG   35)A

36)19°   37)32cm

38) Z

145°

W   X

39)a)South-West
   b)playground

40) Library

41) a) ¼ = 2/8

3/8 − 2/8 = 1/8

Mrs Tan son drank 1/8L for than her daughter.

b) 3/8 + 2/8 = 5/8

8/8 − 5/8 = 3/8

3/8 + ½ = 3/8 + 4/8 = 7/8

Mrs Tan drank 7/8L

42) $1455 − $974 = $508

$1455 + $75 = $1530

$1530 + $1455 = $2985

$2985 + $508 = $3493

The total amount of money the three sisters had is $3493.

43) $50 − $6 = $44

12 x $3 = $36

8 x $1 = $8

$36 + $8 = $44

Jenny bought 12 pens.

44) a) 640 + 450 = 1090

John has 1090 stamps altogether.

b) 1090 ÷ 5 = 218

450 − 218 = 232

There were 232 more Singapore stamps added to his collection.

45) ¼ = 2/8

$45 + $15 = $60

$60 ÷ 3 = $20

$20 x 8 = $160

Lucy had $160 at first.