

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



END-OF-YEAR EXAMINATION 2014 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: 28 October 2014

This booklet consists of 7 printed pages including this page.

Section A

Questions 1 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.

(40 marks)

1 10 m 4 cm = _____ cm

- (1) 14
- (2) 104
- (3) 1004
- (4) 1040

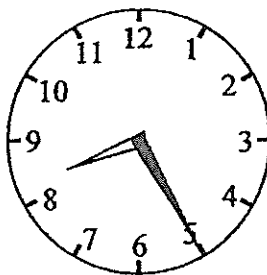
2 Divide 336 by 9. The quotient is _____.

- (1) 3
- (2) 6
- (3) 37
- (4) 156

3 $9 \times 6 = 100 -$ _____

- (1) 44
- (2) 46
- (3) 54
- (4) 56

4 The clock shown here is 35 minutes slower. What is the actual time?



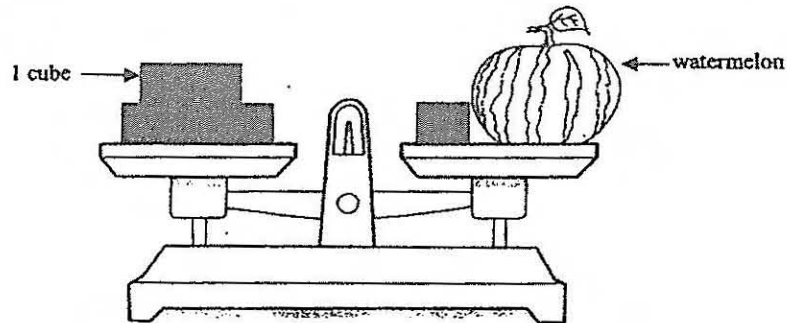
- (1) 7.50
- (2) 8.25
- (3) 8.35
- (4) 9.00

(Go to the next page)

- 5 A bookseller could pack only 7 books into one box. What is the least number of boxes he needs to pack 200 such books?

(1) 27
(2) 28
(3) 29
(4) 30

- 6 All the cubes placed on the weighing scale as shown below are identical. The total mass of the 5 cubes is 985 g. What is the mass of the watermelon?



(1) 197 g
(2) 788 g
(3) 985 g
(4) 1182 g

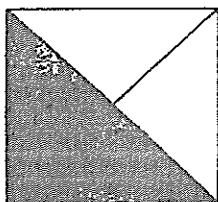
- 7 A field has a perimeter of 400 m. Its breadth is 60 m. What is its length?

(1) 140 m
(2) 170 m
(3) 280 m
(4) 340 m

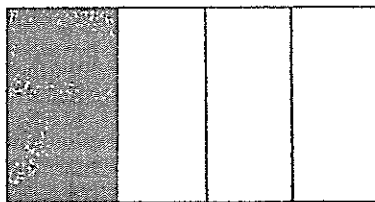
- 8 Elizabeth watched a movie that lasted 1 h 50 min. The movie ended at 1.40 p.m. What time did the movie start?

(1) 11.50 a.m.
(2) 11.50 p.m.
(3) 12.10 a.m.
(4) 12.10 p.m.

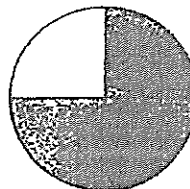
- 9 Which one of the following figures shows that $\frac{1}{4}$ of it is shaded?



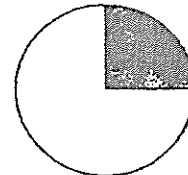
(1)



(2)

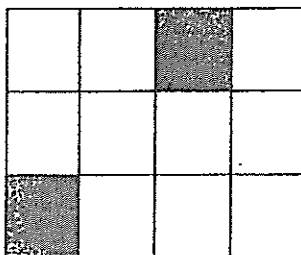


(3)



(4)

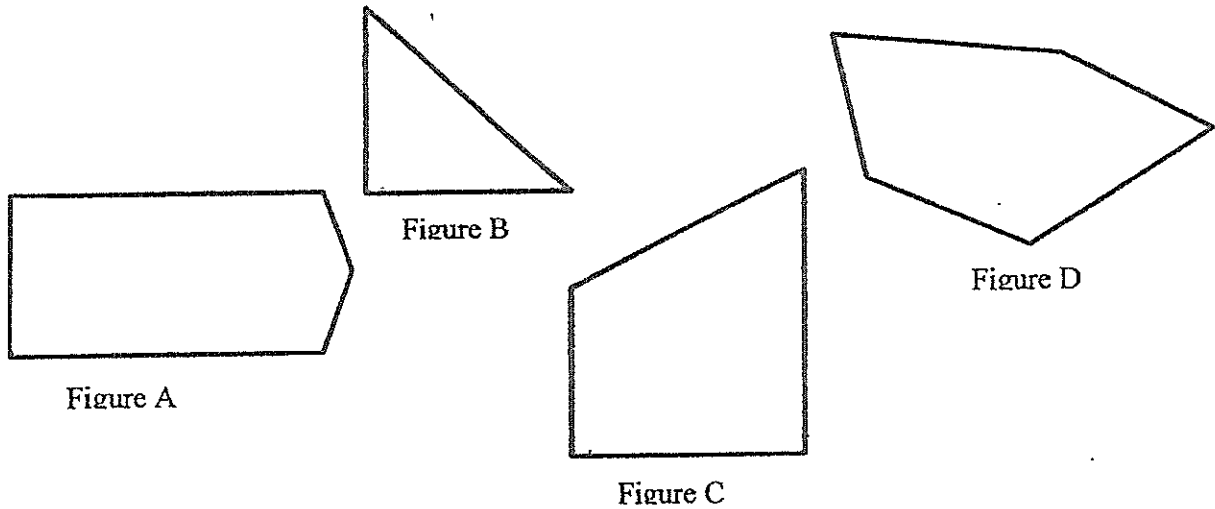
- 10 The figure is made up of 12 identical squares. How many more squares must be shaded so that $\frac{1}{3}$ of the figure is shaded?



- (1) 1
 (2) 2
 (3) 3
 (4) 4

- 11 A packet of biscuits costs \$3.50. Wilma has \$22. What is the largest possible number of packets of biscuits that she can buy with her money?

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



Which of the figures above have the same number of right angles inside them?

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

13 $1 - \frac{1}{12} - \frac{1}{6} = \underline{\hspace{2cm}}$

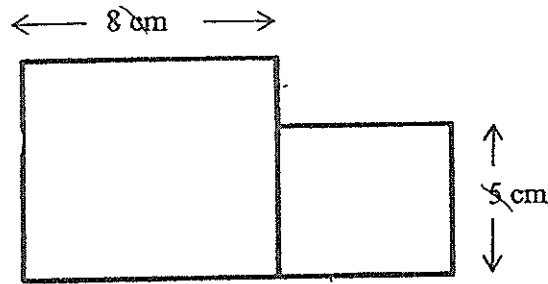
What is the answer?

- (1) $\frac{1}{12}$
- (2) $\frac{3}{4}$
- (3) $\frac{5}{6}$
- (4) $\frac{11}{12}$

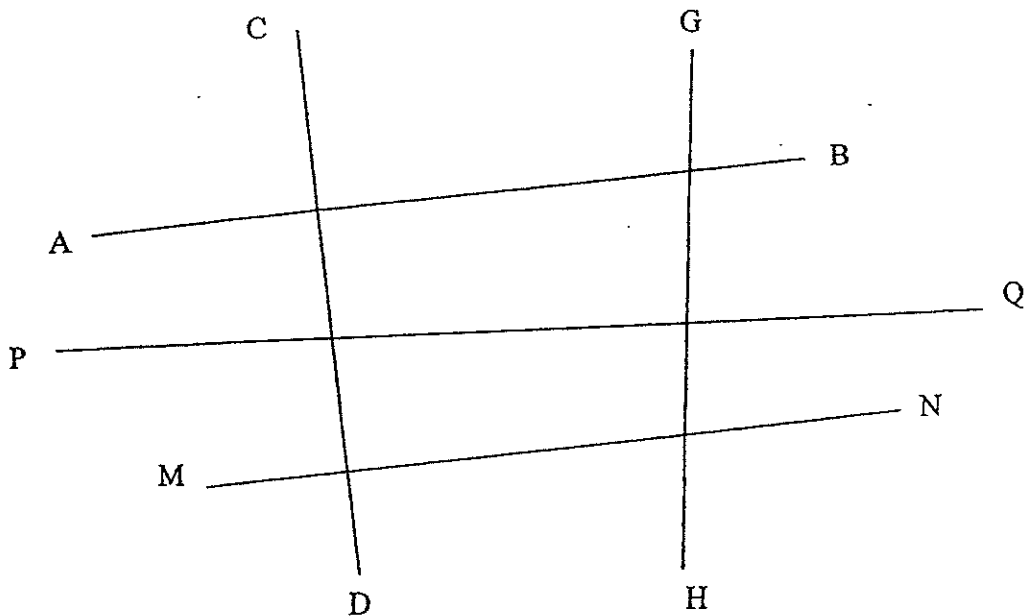
14 At a concert, there were 328 men. There were 276 fewer men than women. The number of men was four times the number of children. How many people were there altogether?

- (1) 462
- (2) 1 014
- (3) 1 692
- (4) 2 244

- 15 The figure shown below is made up of two squares of sides 8 cm and 5 cm. What is the perimeter of the figure?



- (1) 39 cm
 (2) 42 cm
 (3) 47 cm
 (4) 52 cm
- 16 The breadth of a rectangle card is 8 cm. Its length is 3 times its breadth. What is the area of the card?
- (1) 24 cm^2
 (2) 64 cm^2
 (3) 88 cm^2
 (4) 192 cm^2
- 17 Which of the following lines in the figure shown below is parallel to AB?



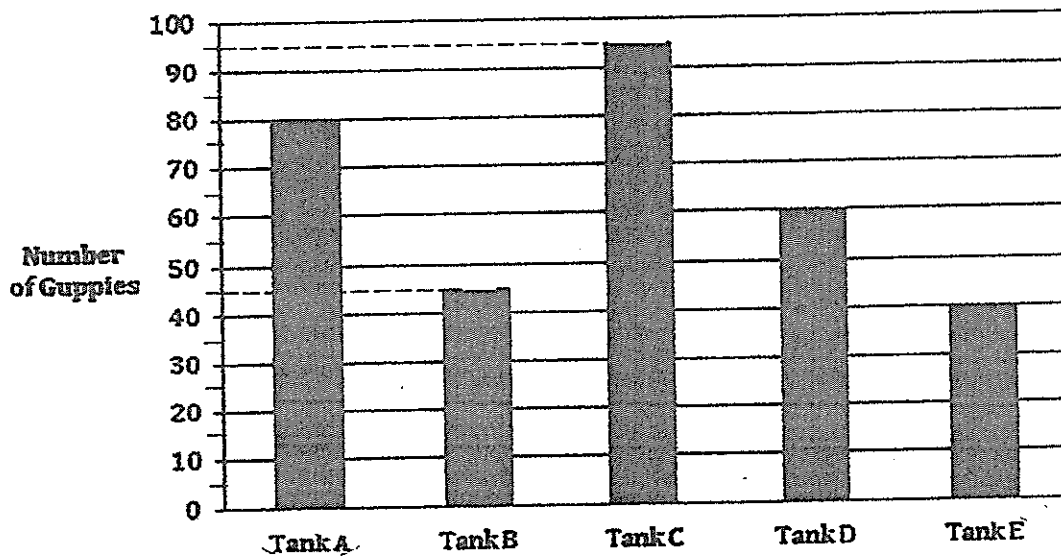
- (1) Line CD
 (2) Line GH
 (3) Line MN
 (4) Line PQ

18

Siva poured 7 cups of water into a pail. Each cup could hold 55 m l of water. The capacity of the pail was 4 l . How much more water is needed to fill up the pail completely?

- (1) 385 m l
- (2) $3\ 615 \text{ m l}$
- (3) $4\ 000 \text{ m l}$
- (4) $4\ 385 \text{ m l}$

Study the graph below carefully and answer questions 19 and 20.
The graph below shows the number of guppies in 5 tanks.



19 What is the total number of guppies in the 5 tanks?

- (1) 280
- (2) 310
- (3) 320
- (4) 330

20 Which two tanks have a total of 120 guppies?

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

Section B

Questions 21 to 40 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

21 What is the sum of 168 tens and 10 thousands?

Ans: _____

22 The difference between two numbers is 15. The smaller number is 72. What is the bigger number?

Ans: _____

23 Peter had 10 one-dollar coins and 7 fifty-cent coins. How much money did he have altogether?

Ans: \$ _____

24 Ben cycled 1 km 780 m from his home to the park and then back home again. What was the total distance Ben cycled?

Ans: ____ km ____ m

(Go on to the next page)

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(BOOKLET B)

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Name: _____ ()

Class: Primary 3. _____

Date: 28 October 2014

| | |
|--------------|--------------|
| Booklet A | / 40 |
| Booklet B | / 40 |
| Booklet C | / 20 |
| TOTAL | / 100 |

This booklet consists of 8 printed pages including this page.

- 25 Every day, John's mother gives him some money. He spends \$11.70 and saves \$4.30 daily. How much money does his mother give him in one week?

Ans: \$ _____

- 26 A baker mixed 500g of sugar with 1 kg 600g of flour in a bowl. He divided the mixture equally into 5 cups. How much mixture was there in each cup?

Ans: _____ g

- 27 Look at the following shapes.

$$\begin{array}{r}
 \star + \star = 240 \\
 \heartsuit + \star = 280 \\
 \triangle + \heartsuit = 190 \\
 \star - \triangle - \triangle = \boxed{?}
 \end{array}$$

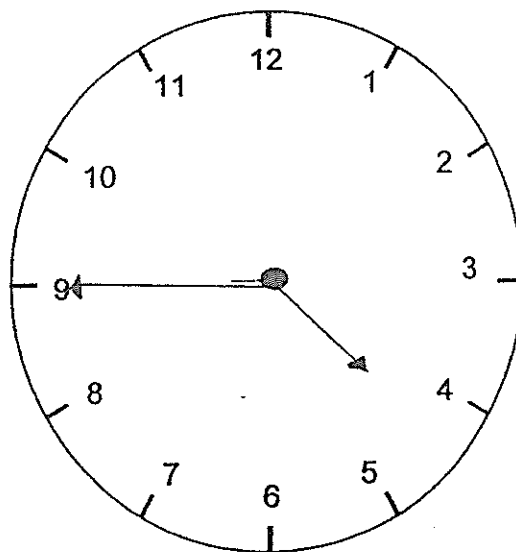
What is the missing number in the box?

Ans: _____
(Go on to the next page)

- 28 A cylinder has a capacity of 2ℓ . Rachel poured $750\text{ m}\ell$ of water into it. How much more water is needed to fill half the cylinder?

Ans: _____ $\text{m}\ell$

- 29 Draw hands on the face of the clock below to show fifteen minutes to 5 o'clock.



- 30 Erica bought 1ℓ of milk. She drank $\frac{1}{4}\ell$ of it in the morning. She accidentally spilled some milk on the floor and the amount of milk left was $\frac{5}{12}\ell$. How much milk did she spill? Express your answer as a fraction in the simplest form.

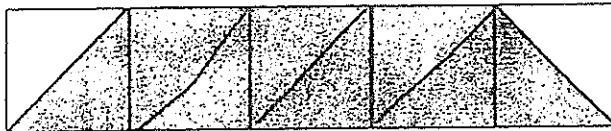
Ans: _____ ℓ

(Go on to the next page)

- 31 Shona baked 302 muffins. After giving an equal number of muffins to each of her 8 friends, she had 46 muffins left. How many muffins did each of her friends get?

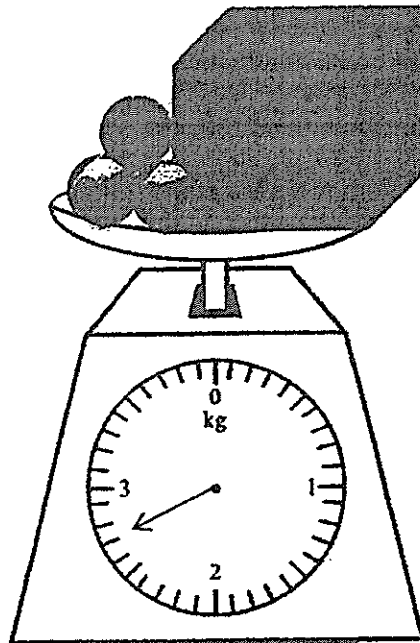
Ans: _____

- 32 What fraction of the figure shown below is shaded? Express your answer in its simplest form.



Ans: _____

- 33 The mass of the wooden block is 2kg 406g. What is the mass of each identical ball shown below?

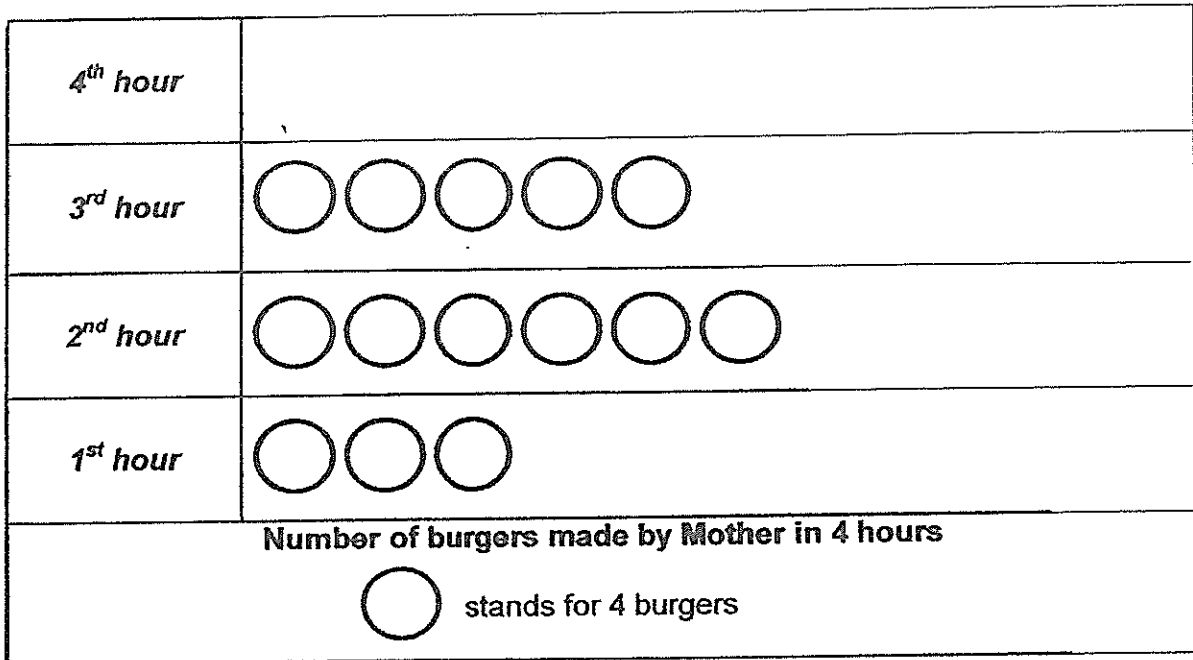


Ans: _____ g

(Go on to the next page)

- 34 Mother made some burgers for Amelia's birthday.
The graph below shows the number of burgers she made in 4 hours.

(a) Complete the bar graph to show that Mother made 36 burgers in the 4th hour.



(b) How many burgers did Mother make altogether?

Ans: _____

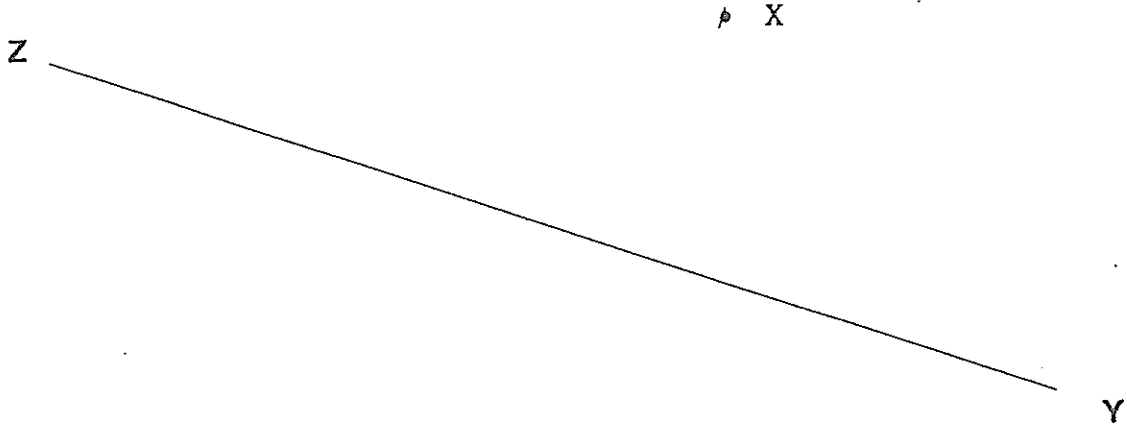
- 35 Arrange the following fractions in order, beginning with the smallest.

| | | | |
|---------------|---------------|---------------|---------------|
| $\frac{2}{5}$ | $\frac{2}{3}$ | $\frac{2}{6}$ | $\frac{2}{4}$ |
|---------------|---------------|---------------|---------------|

Ans: _____, _____, _____, _____

(Go on to the next page)

- 36 Draw a line through point X that is **perpendicular** to Line YZ shown below.



- 37 How many angles inside Figure A shown below are **greater** than a right angle?

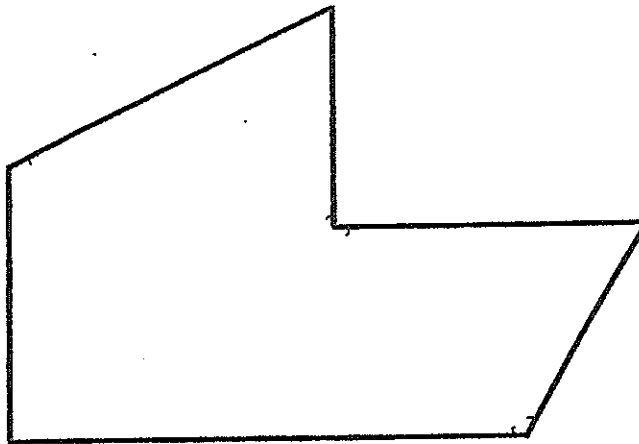


Figure A

Ans: _____

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END-OF-YEAR EXAMINATION 2014 PRIMARY 3 MATHEMATICS

(BOOKLET C)

Total Time: 1 h 45 min

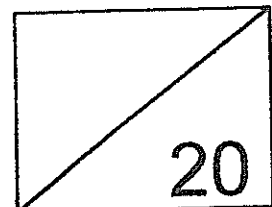
INSTRUCTIONS TO CANDIDATES

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Answer all questions.

Name: _____ ()

Class: Primary 3. _____

Date: 28 October 2014



This booklet consists of 6 printed pages including this page.

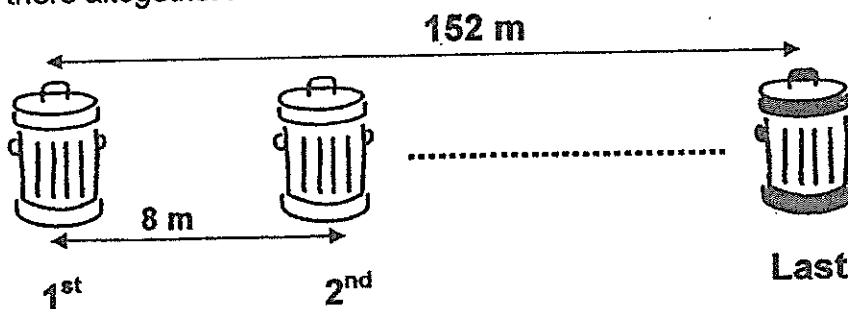
- 38 Julie started on her homework at 10.50 a.m. She took 1 h to complete her English writing. She took half an hour break before spending another 55 minutes to complete her Mathematics homework. What time did she finish her work?

Ans: _____

- 39 The perimeter of the square shown below is 24 cm. What is its area?

Ans: _____

- 40 There are some dustbins along Sparkly Avenue. The dustbins are placed 8 m apart. The distance between the first and the last dustbin is 152 m. How many dustbins are there altogether?



Ans: _____

Section C

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. (20 marks)

41 A fruit seller bought 9 boxes of apples. There were 28 apples in each box. He repacked the apples into packets of 10 apples.

- (a) How many packets were there?
- (b) How many apples were left over?

Ans: (a) _____ [2]

(b) _____ [2]

- 42 Asmah cut a cake into equal pieces. She gave $\frac{1}{3}$ of the cake to Rosli, $\frac{1}{4}$ of it to Devi and the rest to Mei Ling. [Fractions, C]

- (a) What fraction of the cake was given to Mei Ling?
- (b) What fraction of the cake did Devi and Mei Ling receive altogether?

Express your answer in the simplest form.

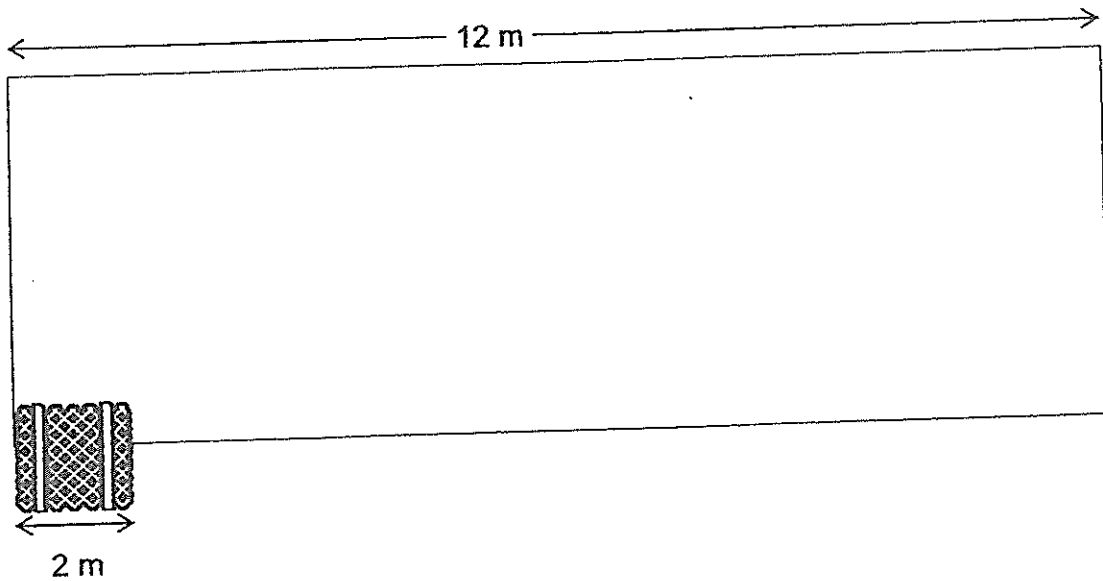
Ans: (a) _____ [2]

(b) _____ [2]

- 43 The length of a garden is 12 m. Its width is 4 m shorter. Mr Chee wants to put fences around his garden to keep strangers off.

(a) What is the perimeter of Mr Chee's garden?

(b) The length of each set of fencing is 2 m. How much will he have to pay for the fences if each set of fencing costs \$85?



Ans: (a) _____ [2]

(b) _____ [2]

44 Cheryl started doing her homework at 3.55 p.m. and completed it at 5.10 p.m. Sue started doing her homework at 2.15 p.m. and completed it at 3.05 p.m.

(a) Who took a longer time to complete her homework?

(b) How much longer did she take?

Ans: (a) _____ { 3 }

(b) _____ [1]

45 Matthew bought 2 bags, 2 files and 1 pen for \$51. Each bag cost 3 times as much as a file. The pen cost \$3.

(a) How much did each file cost?

(b) How much did each bag cost?

Ans: (a) _____ [2]

(b) _____ [2]

—End of Paper—



EXAM PAPER 2014

LEVEL : PRIMARY 3

SCHOOL : MGS

SUBJECT : MATHS

TERM : SA2

Section A

| | | | | | | | | | |
|----|---|----|---|-----|---|-----|---|-----|---|
| Q1 | 3 | Q5 | 3 | Q9 | 4 | Q13 | 2 | Q17 | 3 |
| Q2 | 3 | Q6 | 2 | Q10 | 2 | Q14 | 2 | Q18 | 2 |
| Q3 | 2 | Q7 | 1 | Q11 | 2 | Q15 | 2 | Q19 | 3 |
| Q4 | 4 | Q8 | 1 | Q12 | 2 | Q16 | 4 | Q20 | 3 |

Section B

Q21 11680

Q22 87

Q23 \$13.50

Q24 2km 560m

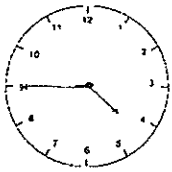
Q25 \$112

Q26 420g

Q27 60

Q28 250ml

Q29



Q30 $\frac{1}{3}l$

Q31 37 muffins

Q32 $\frac{4}{5}$

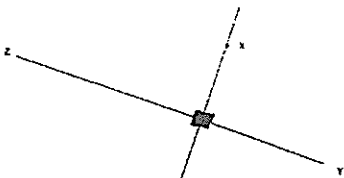
Q33 98g

Q34 (a) 4th hour → ○○○○○○○○○

(b) 92 burgers

Q35 $\frac{2}{6}, \frac{2}{5}, \frac{2}{4}, \frac{2}{3}$

Q36



Q37 3

Q38 1.15p.m

Q39 36cm²

Q40 20 dustbins



Section C

Q41 (a) $28 \times 9 = 252$
 $252 \div 10 = 25R2$
25 packets

(b) **2 apples left**

Q42 (a) $\frac{5}{12}$ of the cake was given to Mei Ling.

(b) $\frac{3}{12} + \frac{5}{12} = \frac{8}{12} = \frac{2}{3}$

Mei Ling and Devi received $\frac{2}{3}$

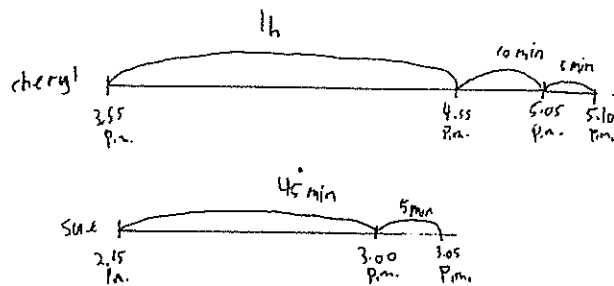
Q43 (a) $12m - 4m = 8m$

$(12 + 12 + 8 + 8)m = \mathbf{40m}$

(b) $40 \div 2 = 20$

$20 \times \$85 = \mathbf{\$1700}$

Q44



(a) $1\text{h } 15\text{min} - 50\text{min} = 25\text{min}$

Cheryl took a longer time to complete her work.

(b) She took 25min more than Sue.

Q45 (a) $\$51 - \$3 = \$4$

$\$48 \div 8 = \6

(b) $\$6 \times 3 = \mathbf{\$18}$

