

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



CONTINUAL ASSESSMENT 2011 PRIMARY 5 MATHEMATICS

PAPER 1 (BOOKLET A)

Total Time for Booklets A and B: 50 minutes

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.

The use of calculators is **NOT** allowed.

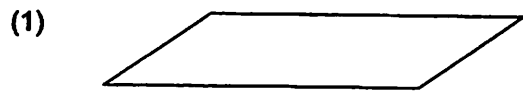
Name: _____ ()

Class: Primary 5. _____

Date: 24 February 2011

This booklet consists of 6 printed pages including this page.

4 Which one of the following has at least one line of symmetry?



5 Grandfather went to bed at 22 45 and woke up at 08 30.
How long did he sleep?

- (1) 8 h 15 min
- (2) 9 h 45 min
- (3) 12 h 15 min
- (4) 14 h 15 min

6 Which of the following is the best estimate of 55×249 ?

- (1) 50×200
- (2) 50×250
- (3) 60×200
- (4) 60×250

(Go on to the next page)

7 $\frac{3}{5}$ of a pizza is shared equally between John and two of his friends. What fraction of the pizza did each person get?

- (1) $\frac{10}{3}$
- (2) $1\frac{1}{5}$
- (3) $1\frac{1}{5}$
- (4) $1\frac{1}{4}$

8 How many eighths are there in $5\frac{1}{4}$?

- (1) 10
- (2) 20
- (3) 21
- (4) 42

9 A string is $2\frac{1}{2}$ metres long. Thomas used half of it to tie a parcel. Janice then used half of the remaining string for her art project. How much string did they use altogether?

- (1) 1
- (2) $2\frac{1}{4}$
- (3) $3\frac{3}{8}$
- (4) $1\frac{1}{8}$

10 Parcel A is $8\frac{4}{3}$ kg.

Parcel B is $3\frac{12}{7}$ kg lighter than Parcel A.

Find the mass of Parcel B.

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

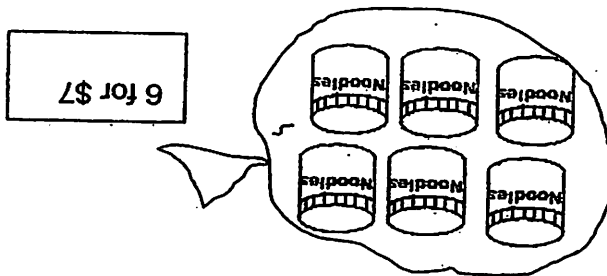
(Go on to the next page)

11 Arrange the following fractions in ascending order.

- $\frac{3}{10}$
- $\frac{1}{3}$
- $\frac{3}{10}$
- $\frac{11}{33}$

- (1) $\frac{3}{10}$, $\frac{1}{3}$, $\frac{11}{33}$, $\frac{10}{3}$
- (2) $\frac{3}{10}$, $\frac{1}{3}$, $\frac{33}{10}$, $\frac{10}{3}$
- (3) $\frac{10}{3}$, $\frac{11}{3}$, $\frac{10}{3}$, $\frac{33}{10}$
- (4) $\frac{1}{3}$, $\frac{10}{3}$, $\frac{33}{10}$, $\frac{11}{3}$

12 Cup noodles are sold at 6 for \$7. If Mrs Foo has \$50, what is the maximum number of cup noodles she can buy?



- (1) 18
- (2) 42
- (3) 48
- (4) 56

13 Timmy and Chandra had the same amount of money. After Chandra spent \$162, Timmy had 3 times as much money as Chandra. How much money did they have at first?

- (1) \$243
- (2) \$324
- (3) \$405
- (4) \$486

14 What is the missing number in the box?

$$2\frac{1}{5} = \frac{4}{12} + \boxed{} \times \frac{1}{12}$$

- (1) 10
- (2) 20
- (3) 22
- (4) 30

(Go on to the next page)

- 15 $\frac{3}{5}$ of the students in ABC Primary School are Chinese. $\frac{1}{4}$ of the Chinese students wear spectacles. If 300 Chinese students wear spectacles, what is the total number of students in ABC Primary School?

- (1) 500
- (2) 1200
- (3) 2000
- (4) 6000

(Go on to Booklet B)

METHODIST GIRLS' SCHOOL (PRIMARY)
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CONTINUAL ASSESSMENT 2011
PRIMARY 5
MATHEMATICS

PAPER 1
(BOOKLET B)

Total Time for Booklets A and B: 50 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

The use of calculators is **NOT** allowed.

Name: _____ ()

Class: Primary 5. _____

Date: 24 February 2011

Paper 1 Booklet A	/ 20
Paper 1 Booklet B	/ 20
Paper 2	/ 60
TOTAL	/ 100

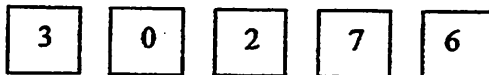
This booklet consists of 5 printed pages including this page.

Questions 16 to 25 carry 1 mark each. Write your answers in the space provided. For questions which require units, give your answers in the units stated. (10 marks)

16 Write seven million, three thousand and twenty-two in figures.

Ans: _____

17 Use the following digits to form the smallest 5-digit odd number.



Ans: _____

18 What is the missing number in the box?

$$240 \times 1000 = \boxed{} \times 2000$$

Ans: _____

19 Round off 589 901 to the nearest thousand.

Ans: _____

20 A sofa costs 5 times as much as a dining chair. The sofa costs \$360 more than the dining chair. Find the cost of the sofa.

Ans: \$ _____

(Go on to the next page)

- 21 John is 34 years old and his son is 4 years old now. In how many years time will John be 4 times as old as his son?

Ans: _____ years

- 22 At a supermarket, mangoes were sold at 3 for \$4.20. How much did Mrs Ling pay for 24 mangoes?

Ans: \$ _____

- 23 Express $3\frac{5}{8}$ as a decimal.

Ans: _____

- 24 What is the value of $4\frac{1}{6} \times 8$? Express your answer as a mixed number.

Ans: _____

- 25 Express $10 \div 7$ as a decimal correct to 2 decimal places.

Ans: _____

(Go on to the next page)

Questions 26 to 30 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

- 26 The sum of two numbers is 314. The difference between ~~same~~ numbers is 18. Find the smaller number.

Ans: _____

- 27 The following table shows the parking rate for cars in a car park.

First hour	\$3.00
Subsequent (half an hour or part thereof)	\$0.50

Mr Chan parked his car at the car park from 8 a.m. to 1.20 p.m. on the same day. How much did he have to pay for parking his car?

Ans: \$ _____

- 28 Express $3\frac{3}{4}$ hours in minutes.

Ans: _____ minutes

(Go on to the next page)

- 29 Lindsey is $\frac{2}{3}$ of her brother's age.
If their total age is 65 years old, how old is Lindsey's brother?

Ans: _____ years old

- 30 Mrs Jones and Mrs Wong each baked a similar pie.
Mrs Jones' family ate $\frac{3}{5}$ of the pie that Mrs Jones baked and Mrs Wong's family ate $\frac{2}{3}$ of the pie that Mrs Wong baked.
Mrs Wong's family ate 100 g more pie than Mrs Jones' family.
What was the mass of each pie?

Ans: _____ g

End of Paper

METHODIST GIRLS' SCHOOL (PRIMARY)
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CONTINUAL ASSESSMENT 2011
PRIMARY 5
MATHEMATICS
PAPER 2

Total Time: 1 h 40 min

INSTRUCTIONS TO CANDIDATES

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

Answer all questions.

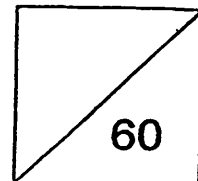
Write your answers in this booklet.

The use of an approved calculator is expected, where appropriate.

Name: _____ ()

Class: Primary 5. _____

Date: 24 February 2011



This booklet consists of 13 printed pages including this page.

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

- 4 Lawrence has some pens.
When he packs them into bundles of 5 pens in each bundle, he will have 3 extra pens.
When he packs them into bundles of 9 pens in each bundle, he will need another 8 pens.
~~If he wants to form a last bundle,~~ how many pens are there?

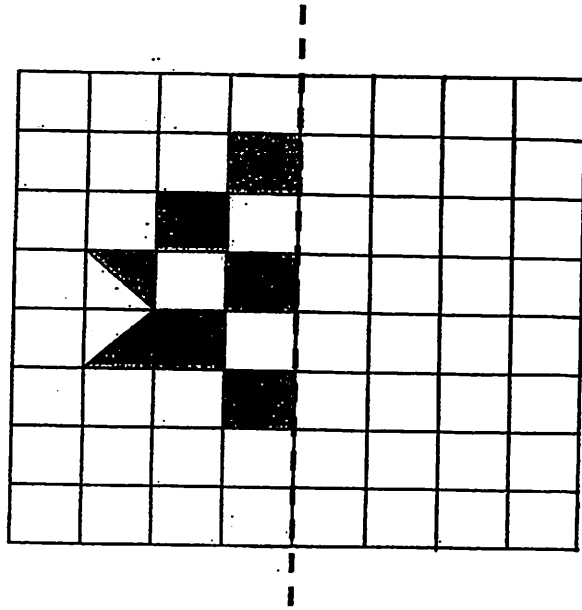
Ans: _____

- 2 Benedict bought a sports car for \$94 800.
He paid a deposit of \$12 000 as down payment and paid the remaining amount in equal monthly instalment over 2 years.
How much was the monthly instalment?

Ans: \$ _____

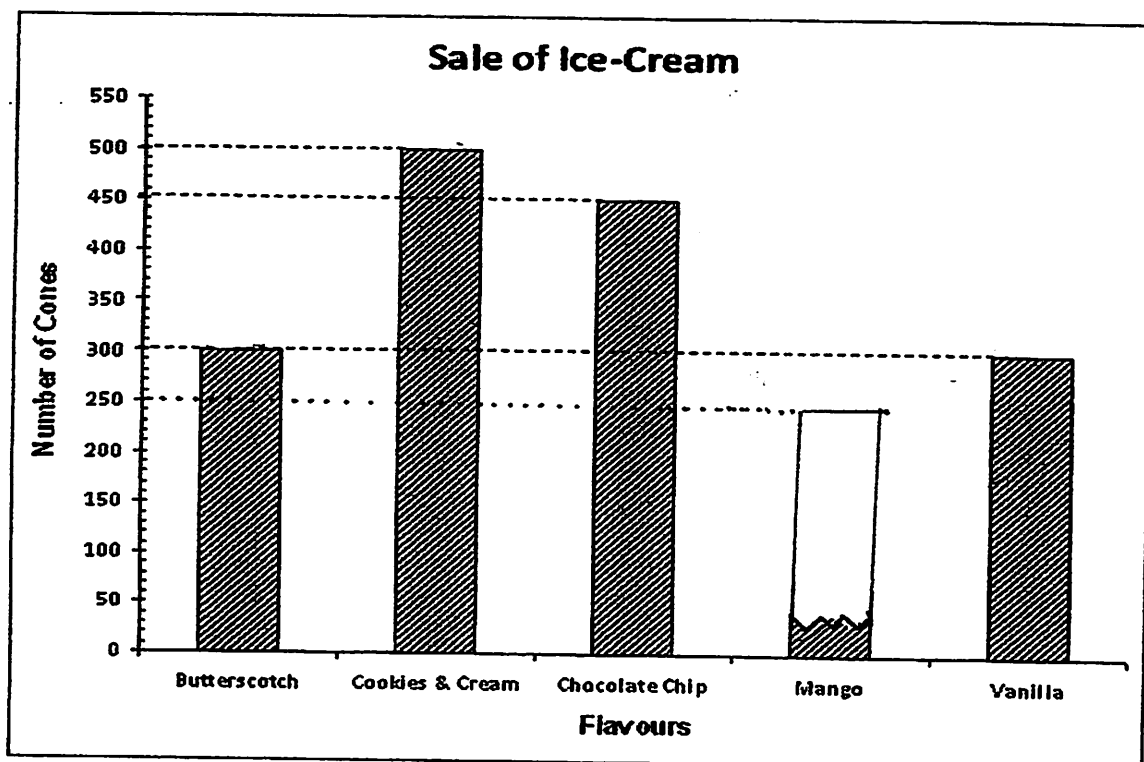
(Go on to the next page)

- 3 The dotted line in the figure below is a line of symmetry. Shade the correct number of squares or half-squares to make a symmetric pattern.



(Go on to the next page)

Use the graph below to answer questions 4 and 5.
The graph shows the number of ice-cream cones an ice-cream parlour sold in a day.
A total of 1800 ice-cream cones were sold for the day.



- 4 How many cones of mango ice-cream were sold?
Complete the above graph for the mango ice-cream.

Ans: _____

- 5 What fraction of the ice-cream cones sold were butterscotch and vanilla flavours?
Give your answer in the simplest form.

Ans: _____

(Go on to the next page)

For questions 6 to 18, show your working clearly in the space provided for each question 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)

- 6 There were twice as many men as women in the auditorium.
After 12 women had left the auditorium, there were thrice as many men as women who remained in the auditorium.
How many men were in the auditorium at first?

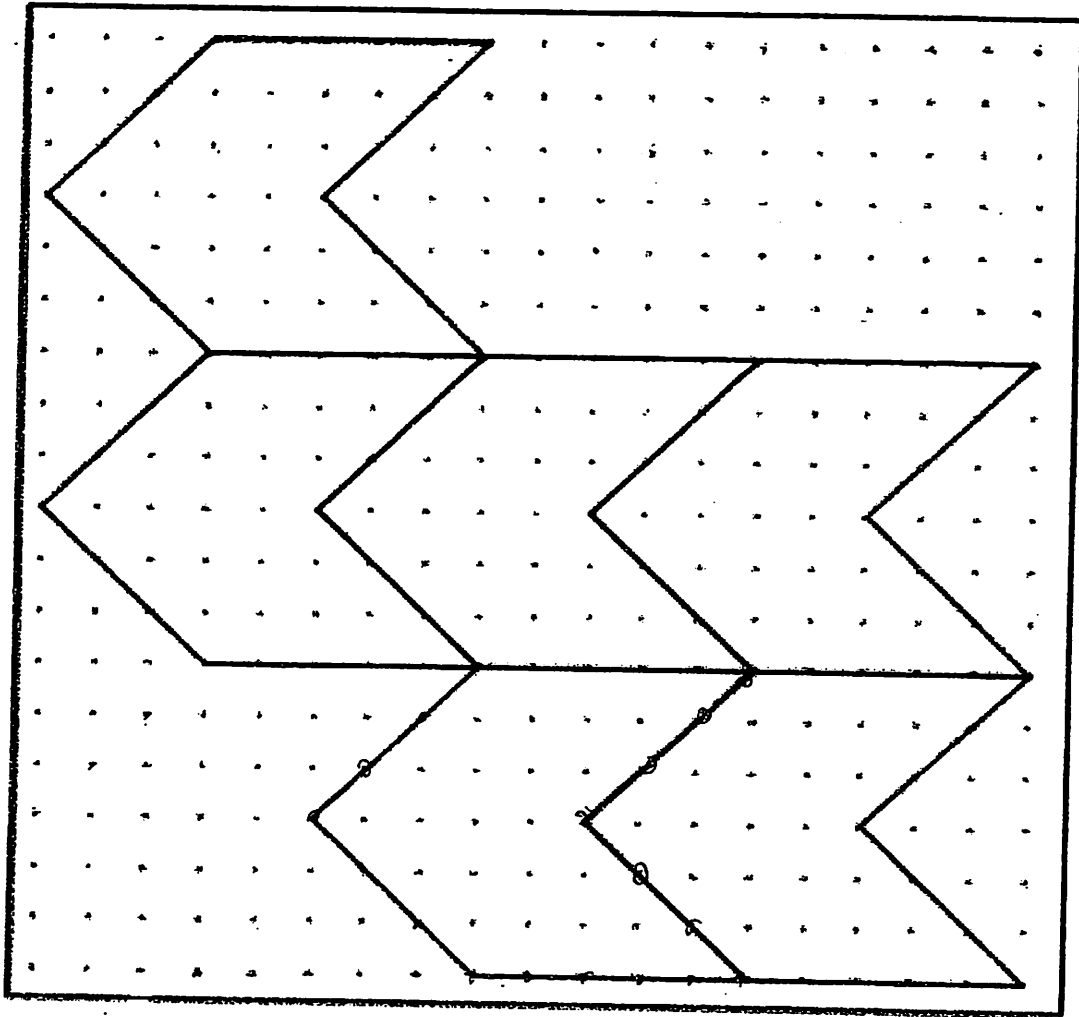
Ans: _____ [3]

- 7 Zhi Qiang started his Mathematics practice paper at 9.35 a.m.
He took 4 minutes for each of the ten multiple choice questions.
He spent 8 minutes on each of the remaining 17 word problems.
At what time did he complete his practice paper?

Ans: _____ [3]

(Go on to the next page)

8 Complete the tessellation by drawing 3 more unit shapes. [3]



(Go on to the next page)

- 9 Madeline had 49 paper clips and Jacob had 644 paper clips.
After their mother gave them each an equal number of paper clips, Madeline had $\frac{1}{8}$ as many paper clips as Jacob.
How many paper clips did their mother give each of them?

Ans: _____ [3]

- 10 Benny read $\frac{1}{3}$ of a storybook on Monday and $\frac{5}{6}$ of the remainder on Tuesday.
He completed reading the rest of the 48 pages on Wednesday.
How many pages were there in the book?

Ans: _____ $\frac{4}{21}$

(Go on to the next page)

- 11** A baker has some flour.

He uses an equal amount of flour to bake cakes every day. After 6 days, he has $\frac{3}{5}$ of the flour left.

After another 4 more days, he has 15 kg of flour left. How much flour did he have at first?

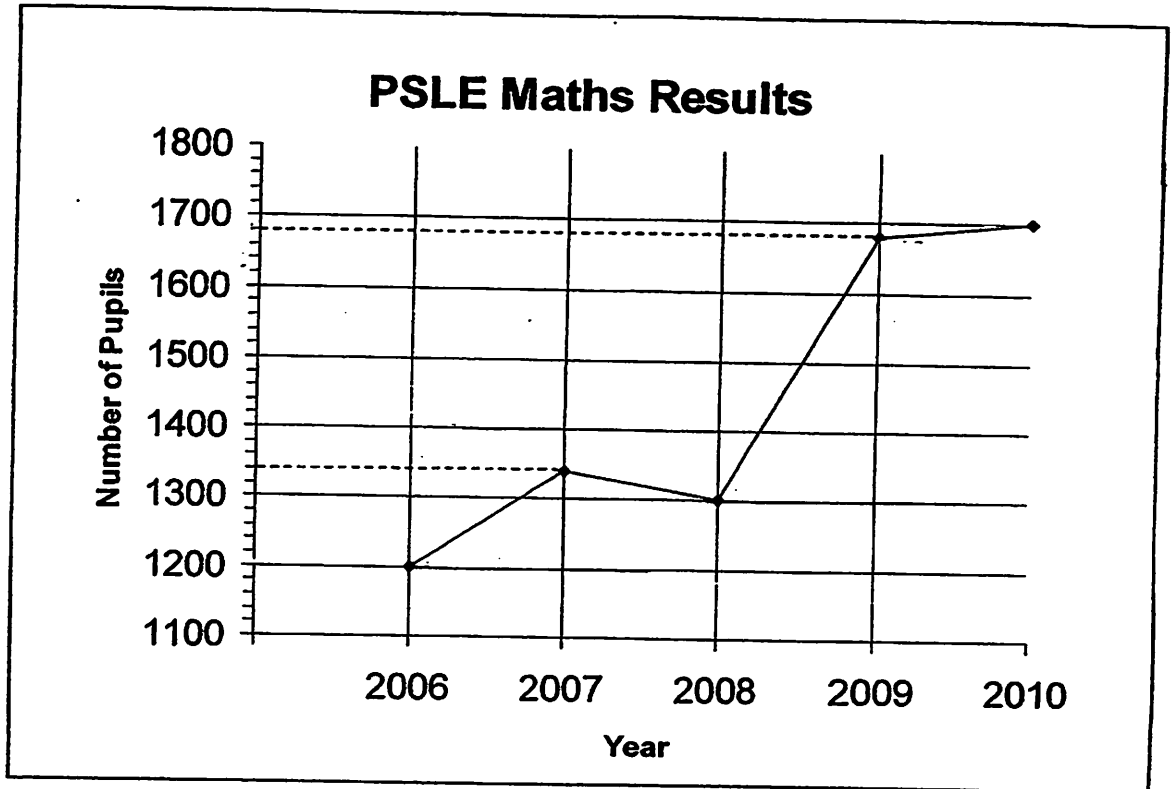
Ans: _____ [3]

- 12** Farmer Brown and Farmer John had a total of 256 chickens at first. After Farmer Brown bought another 24 chickens and Farmer John sold away 60 of his chickens, both the farmers had the same number of chickens left. How many chickens did Farmer Brown have at first?

Ans: _____ [4]

(Go on to the next page)

- 13 The line graph below shows the number of Primary 6 pupils in King Albert Primary School who obtained A and A* for Mathematics over the last 5 years. Study the graph carefully and answer the questions below.



- (a) (i) Between which two years did the number of pupils who obtained A and A* increase the most?
(ii) What was the increase in these two years?
- (b) What was the decrease in the number of pupils who obtained A and A* from 2007 to 2008?
- (c) In which year did the most number of pupils obtained A and A*?

Ans: (a)(i) _____ and _____ [1]

(ii) _____ [1]

(b) _____ [1]

(c) _____ [1]

(Go on to the next page)

- 14 Jacelyn spent $\frac{1}{4}$ of her money on shoes, $\frac{1}{6}$ of the remainder on a present, \$45 on a skirt and she had \$80 left.
How much money did she have at first?

Ans: _____ [4]

- 15 It takes 2 jugs and 7 glasses of water to fill a pail.
The capacity of the jug is $\frac{3}{4}$ l
If the capacity of a glass is $\frac{1}{5}$ the capacity of the jug, what is the capacity of the pail?
Express your answer as a fraction.

Ans: _____ [4]

(Go on to the next page)

- 16** 9 wallets and 7 handbags cost \$1200.
3 wallets and 3 handbags cost \$480.

- (a) What is the cost of 1 handbag?
(b) What is the cost of 3 wallets and 4 handbags?

Ans: (a) _____ [3]

(b) _____ [2]

(Go on to the next page)

- 17 A toy plane costs \$15 and a toy car costs \$30.
Mrs James paid \$540 for some of these toys as Christmas presents.
She bought four times as many toy planes as toy cars.

- (a) How many toy planes did she buy?
(b) How much more money did she spend on the toy cars than on the toy planes?

Ans: (a) _____ [3]

(b) _____ [2]

(Go on to the next page)

- 18 $\frac{1}{5}$ of Linda's sweets is equal to $\frac{1}{4}$ Jonathan's sweets. At a Christmas party, Jonathan received another 30 sweets and Linda gave away 72 of her sweets. They then had an equal number of sweets.

- a) How many sweets did Linda have at first?
b) How many sweets did both of them have in the end?

Ans: (a) _____ [2]

(b) _____ [3]

End of Paper

ANSWER SHEET

EXAM PAPER 2011

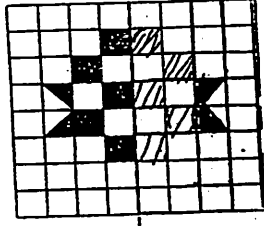
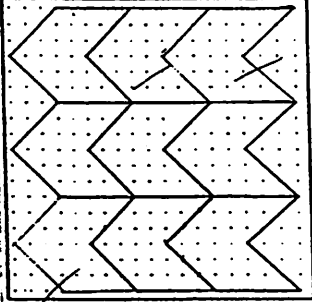
**SCHOOL : MGS PRIMARY
SUBJECT : PRIMARY 5 MATHEMATICS**

TERM : CA1

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

- | | | | | |
|------------|------------|----------|-----------------------------------|----------|
| 16)7003022 | 17)20367 | 18)120 | 19)590000 | 20)\$450 |
| 21)6 | 22)\$33.60 | 23)3.625 | 24)33 ¹ / ₃ | 25)1.43 |
| 26)148 | 27)\$7.50 | 28)225 | 29)39 | 30)1500g |

Paper 2

<p>1)28 pens</p>	<p>2)94800 – 12000 = 82800 $12 \times 2 = 24$ $82800 \div 24 = 3450$ The monthly instalment was \$3450</p>
<p>3)</p> <div style="text-align: center;">  </div>	<p>4)300+500+450+300=1550 $1800 - 1550 = 250$ 250 mango cones were sold</p>
<p>5)300 + 300 = 600 $600/1800 = 1/3$ 1/3 were mango and Vanilla flavours.</p>	<p>6)$12 + 12 = 24$ $24 \times 3 = 72$ There were 72 men</p>
<p>7)$4 \times 10 = 40$ $17 \times 8 = 136$ $136+40 = 176$ $176 = 2\text{h } 56\text{min}$ He completed it at 12.31 p.m.</p>	<p>8)</p> <div style="text-align: center;">  </div>

<p>9) $595 \div 7 = 85$ $85 \times 8 = 680$ $680 - 644 = 36$ There mother gave them 36 paper clips.</p>	<p>10) $2u \rightarrow 48$ $1u \rightarrow 48 \div 2 = 24$ $24 \times 18 = 432$ There were 432 pages</p>
<p>11) $2/5 \div 6 = 2/5 \times 1/6 = 1/15$ $1/15 \times 4/1 = 4/15$ $5u \rightarrow 15$ $1u \rightarrow 15 \div 5 = 3$ $15u \rightarrow 15 \times 3 = 45$ He had 45kg at first</p>	<p>12) $256 - 60 = 196$ $196 + 24 = 220$ $220 \div 2 = 110$ $110 - 24 = 86$ Farmer Brown had 86 chickens</p>
<p>13) a) i) 2008 and 2009 ii) 380 b) $1340 - 1300 = 40$ c) The year 2010</p>	<p>14) $80 + 45 = 125$ $125 \div 5 = 25$ $25 \times 8 = 200$ He had \$200</p>
<p>15) $1/5 \times 3/4 = 3/20 \rightarrow 1$ glass $3/4 \times 2 = 3/2 = 1\frac{1}{2} \rightarrow 2$ jugs $3/20 \times 7 = 11/20 \rightarrow 7$ glasses $11/20 + 1\frac{1}{2} = 2\frac{11}{20}$ The capacity is $1\frac{11}{20}$</p>	<p>16) a) $1200 - 480 = 720$ $720 - 480 = 240$ $480 - 240 = 240$ $240 \div 2 = 120$ The cost is \$120 b) $120 \times 3 = 360$ $480 - 360 = 120$ $120 \div 3 = 40$ (wallet) $40 \times 3 = 120$ $120 \times 4 = 480$ $480 + 120 = 600$ The cost is \$600</p>
<p>17) a) unit x value = total Planes $4 \times 15 = 60$ Car $1 \times 30 = 30$ $90u \rightarrow 540$ $1u \rightarrow 540 \div 90 = 6$ $6 \times 4 = 24$ b) TR $\rightarrow 24 \times 15 = 360$ TC $\rightarrow 6 \times 30 = 180$ $360 - 180 = \\$180$</p>	<p>18) a) $72 + 30 = 102$ $102 \times 5 = 510$ Linda had 510 sweets at first b) $102 \times 4 = 408$ $408 + 30 = 438$ $438 + 438 = 876$ They both have 876 in the end</p>