HENRY PARK PRIMARY SCHOOL
2021 WEIGHTED ASSESSMENT 1
MATHEMATICS
PRIMARY 5

(Booklet A)

Name: _____ ( ) Parent's Signature

Class: Primary 5_____ _____

Marks:

Booklet A	12
Booklet B	18
Total	30

Total Time: 40 min

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.
You are **not** allowed to use a calculator.

Questions **1** to **6** carry 1 mark each. Questions **7** to **9** 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) and shade your answer in the Optical Answer Sheet.

(12 marks)

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1 What is the value of the digit 8 in the number 282 405?

(1) 80

(2) 800

(3) 8000

(4) 80 000

2 Which of the following is not a factor of 36?

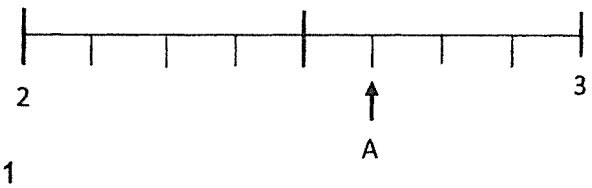
(1) 6

(2) 9

(3) 16

(4) 18

3 In the number line, what is the mixed number represented by A?



(1) $2\frac{1}{4}$

(2) $2\frac{3}{4}$

(3) $2\frac{5}{7}$

(4) $2\frac{5}{8}$

4 Which one of the following fractions is the biggest?

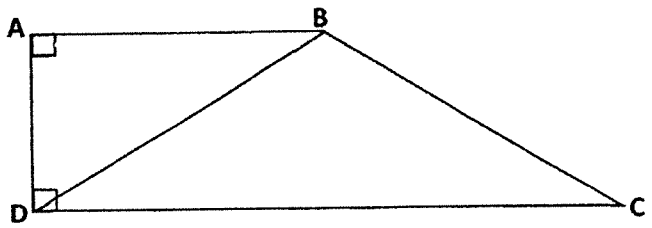
(1) $\frac{3}{11}$

(2) $\frac{3}{8}$

(3) $\frac{3}{7}$

(4) $\frac{3}{5}$

5 The figure below is made up of two triangles, ABD and BCD. Given that the height of triangle BCD is AD, find its base.



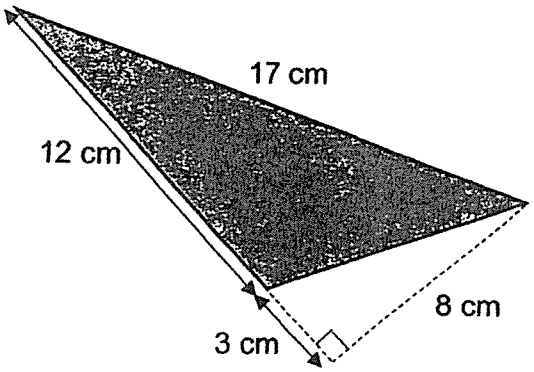
(1) AB

(2) BC

(3) BD

(4) DC

6 Find the area of the shaded triangle.



(1) 48 cm^2

(2) 60 cm^2

(3) 68 cm^2

(4) 102 cm^2

7 What is the missing number in the box?

5 : 15 = ? : 12

(1) 9

(2) 2

(3) 3

(4) 4

8 Percy spent $\frac{3}{5}$ of his money on a shirt and $\frac{1}{4}$ of the remainder on a belt. What fraction of his money had he left?

(1) $\frac{3}{10}$

(2) $\frac{3}{20}$

(3) $\frac{7}{10}$

(4) $\frac{9}{20}$

9 A repeated pattern is formed using the numbers 2 and 0.
The first 15 numbers are shown below.

2	0	2	2	0	2	0	2	2	0	2	0	2	2	0	...
1st		2nd	3rd											15th	

What is the sum of the first 98 numbers?

(1) 114

(2) 117

(3) 118

(4) 122

HENRY PARK PRIMARY SCHOOL
2021 WEIGHTED ASSESSMENT 1
MATHEMATICS
PRIMARY 5

(BOOKLET B)

Name: _____ ( )

Class: Primary 5_____

18

Total Time for Booklets A and B: 40 min

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.

You are **not** allowed to use a calculator.

Questions **10** to **13** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(4 marks)

Do not write in this space

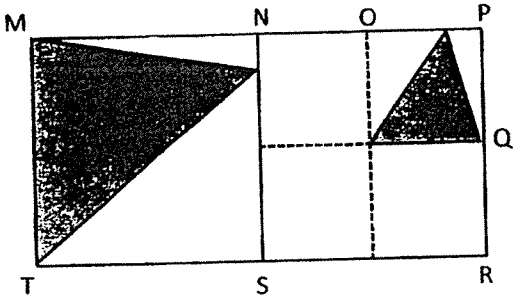
10 Find the value of $(18 - 12) \times 5 + 36 \div 2$

Ans: _____

11 Find the value of $\frac{3}{8} \times \frac{4}{9}$

Ans: _____

12 Rectangle MPRT is made up of 2 identical squares MNST and NPRS. Given that NO = OP = PQ, what fraction of rectangle MPRT is shaded?



Ans: _____

(Go on to the next page)

13 Lily and Bala shared 42 sweets in the ratio of 2 : 5. How many sweets will Bala get?

Ans: _____

(Go on to the next page)

Questions **14** to **20** 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.

(14 marks)

Do not write in this space

14 Use all the digits 6, 2, 5, 9 to form

(a) the smallest multiples of 7

(b) the number closest to 9000

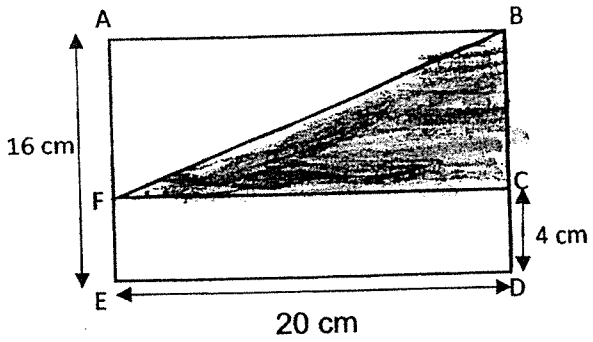
Ans: (a)_____

(b)_____

15 There were 96 students in the school hall. $\frac{2}{3}$ of the students were girls. $\frac{1}{4}$ of the girls wore glasses. How many girls wore glasses?

Ans: _____

16 The figure below shows a rectangle, ABDE. FC is parallel to ED. Find the area of the shaded triangle BCF in figure below.



Ans: _____ cm^2

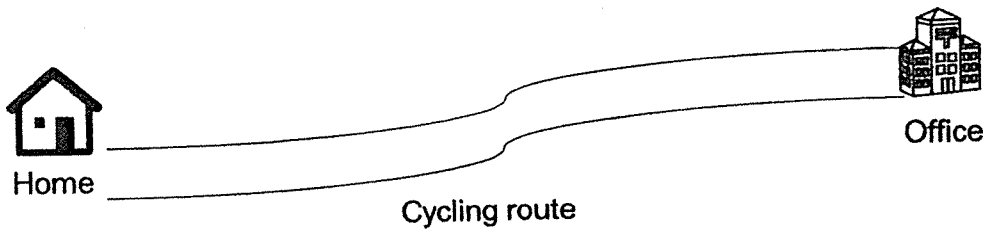
17 $\frac{1}{5}$ of the buttons in a bag are pink. The remaining buttons were blue *and* yellow in the ratio of 3 : 5. Find the ratio of the number of pink buttons to the number of yellow buttons.

Ans: _____

18 Vicky earned \$5 for every box of tarts she sold. She earned a bonus of \$10 for every 12 boxes of tarts sold. Given that Vicky earned a total of \$205, how many boxes of tarts did Vicky sell?

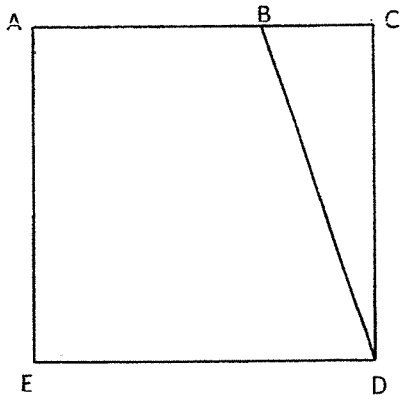
Ans: _____

19 Mr Lee cycles to work from his home to his office and then cycles back home from his office after work. He uses the same route to and fro. Given that the distance between his home and his office is $\frac{4}{5}$ km, find the total distance Mr Lee cycles to and from work from Monday to Friday for a week.



Ans: _____ km

20 ACDE is a square. The length AB is twice the length of BC.



Each statement below is either true, false or not possible to tell from the information given above. For each statement, please put a tick (✓) in the correct column.

Statement	**True**	**False**	**Not possible to tell**
Given that the height of triangle BCD is BC, the ratio of the height of triangle BCD to the base of triangle BCD is 1:3.			
When AB = 12 cm, the area of triangle BCD will be 54 cm².			
Triangle BCD is $\frac{1}{3}$ the area of square ACDE.			

End of Paper

HENRY PARK PRIMARY SCHOOL
MATHEMATICS
PRIMARY 5

Date: _____

QUIZ 1 – Whole Numbers

Parent's Signature:

Name: _____ ( )

Class: Primary 5 _____

_____

Show your working clearly where applicable and write your answers in the spaces provided.
The use of calculators is **not** allowed.

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1 **(a)** Find the missing number in the box.

234 060 = 200 000 + [?] + 4000 + 60

(b) Arrange the numbers below in order starting from the greatest to the smallest.

809 700, 98 700, 870 900, 709 800

Ans: (a) _____

(b) _____ (greatest), _____, _____, _____ (smallest)

---

2 Write the following in numbers.

(a) Four hundred and three thousand, five hundred and twenty-four.

(b) Six million, eight thousand and seventy.

Ans: (a) _____

(b) _____

3 Fill in the missing numbers in the boxes.

(a) $6 \times \square = 4200$

(b) $450 \times 30 = \square$

4 Fill in the missing numbers in the boxes.

(a) $305\,000 \div 100 = \square$

(b) $7200 \div \square = 80$

5 Find the value of the following equations.

(a) $48 - 18 \div 3 \times 2$

(b) $30 - 10 \times 60 \div (25 - 10 + 5)$

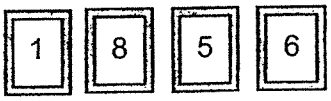
6 (a) Fill in the empty circles (◯) in the equation below with +, –, × or ÷ to make it equal to 24.

$$(3 \bigcirc 12) \bigcirc 5 \bigcirc 8 = 24$$

(b) The equation below does not equal 24 because the brackets are missing. Place brackets at the correct places in the equation so that it is equal to 24.

$$8 \div 14 - 10 \times 12 = 24$$

7 James was given four number cards as shown below:



(a) He used all the number cards to form the number closest to 6000.
What was the number that he formed?

(b) He then formed a new number using the number cards.
When the number was rounded to the nearest thousand, it became 6000.
What was the smallest possible number that he formed?

Ans: (a) _____

(b) _____

8 Mary uses triangles to form figures that follow a pattern as shown below.

Figure 1 Figure 2 Figure 3 Figure 4

(a) The table below shows the number of triangles for the first four figures.
Complete the table for Figure 5 and 6.

Figure Number	1	2	3	4	5	6
Number of Triangles	5	8	11	14		

(b) How many triangles did Mary use for Figure 88?

Ans: (b) _____

9 Alex had four times as many stickers as Ben at first. After Alex used 46 stickers and Ben used 10 stickers, they both had the same number of stickers. How many stickers did Alex have at first?

Ans: _____

10 Charlie and Debbie had the same number of stamps at first. Charlie gave away 24 stamps and Debbie bought 30 stamps. In the end, Debbie had three times as many stamps as Charlie. How many stamps did Charlie have at the end?

Ans: _____

11 Eric paid a total of $95 for a shirt, a tie and a pair of pants. The shirt cost $5 more than the tie. The pair of pants cost twice as much as the shirt. How much did the pair of pants cost?

Ans: _____

12 Mrs Lim bought 5 skirts and 3 blouses. Each skirt cost $20 less than each blouse. She paid $300 altogether. How much did each blouse cost?

Ans: _____

13 A plastic container with 20 marbles in it has a mass of 910 g.
The same plastic container with 12 marbles in it has a mass of 670 g.
Given that the mass of each marble is the same, find the mass of the empty plastic container.

Ans: _____

14 In a supermarket, a box of biscuits cost $7.
For every 10 boxes of biscuits purchased, one box of biscuit was given free.

(a) Farhan needed 20 boxes of biscuits. What would be the least amount of money needed for 20 boxes of biscuits?

(b) Gina had $400. What would be the most number of boxes of biscuits that she could get with $400?

Ans: (a) _____

(b) _____

HENRY PARK PRIMARY SCHOOL
2021 WEIGHTED ASSESSMENT (PRACTICE SET)
MATHEMATICS
PRIMARY 5

PAPER 1

Name: _____ ( ) Parent's Signature

Class: Primary 5_____ _____

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow the instructions carefully.
3. Answer all questions.
4. You **are not allowed** to use a calculator.

Total Time for Booklets A and B: 25 minutes

Marks:

Paper 1	Booklet A	9
	Booklet B	13
Paper 2		28
Total		50

PAPER 1

Section A

Questions 1 to 5 carry 1 mark each. Questions 6 to 7 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) and write your answer in the bracket provided.
The use of calculators is **not** allowed.

(9 marks)

---

1 What is the value of the digit 5 in the number 652 179?

(1) 50

(2) 500

(3) 5000

(4) 50 000 ( )

---

2 There were 208 720 spectators at a football match. Round this number to the nearest thousand.

(1) 200 000

(2) 208 000

(3) 209 000

(4) 210 000 ( )

---

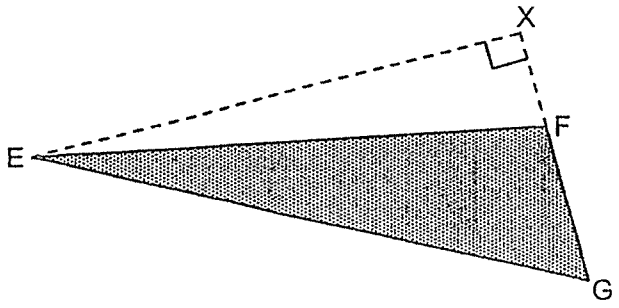
3 The height of triangle EFG shown below is EX. Which is the base of triangle EFG?

(1) EG

(2) EF

(3) FG

(4) XG



( )

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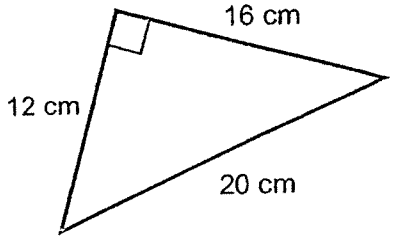
4 Arrange the following fractions from the largest to the smallest: $\frac{7}{6}$, $\frac{5}{4}$, $1\frac{1}{5}$

	Largest		Smallest
(1)	$\frac{7}{6}$,	$1\frac{1}{5}$,	$\frac{5}{4}$
(2)	$1\frac{1}{5}$,	$\frac{7}{6}$,	$\frac{5}{4}$
(3)	$\frac{5}{4}$,	$1\frac{1}{5}$,	$\frac{7}{6}$
(4)	$\frac{5}{4}$,	$\frac{7}{6}$,	$1\frac{1}{5}$

( )

5 Find the area of the triangle shown below.



(1) 96 cm^2

(2) 120 cm^2

(3) 160 cm^2

(4) 192 cm^2

( )

6 Find the value of $48 - (3 \times 5 + 9) \div 8 - 2$

(1) 43

(2) 44

(3) 47

(4) 4

( )

(Go on to the next page)

7 The ratio of the number of boys to the number of girls at a graduation ceremony is 5 : 3. There are 240 students altogether at the ceremony. How many boys are there at the graduation ceremony?

(1) 30

(2) 60

(3) 90

(4) 150 ( )

(Go on to Section B)

HENRY PARK PRIMARY SCHOOL
2021 WEIGHTED ASSESSMENT (PRACTICE SET)
MATHEMATICS
PRIMARY 5

PAPER 1
(BOOKLET B)

Name: _____ ( )

Class: Primary 5_____

/ 13

Total Time for Booklets A and B: 25 minutes

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.

You are **not** allowed to use a calculator.

PAPER 1

ction B

estions **8** to **10** carry 1 mark each. Write your answers in the spaces provided.
· questions which require units, give your answers in the units stated.
ɜ use of calculators is not allowed.

(3 marks)

Do not write in this space

8. Write seven hundred and sixty thousand and four in numerals.

Ans: _____

9. What is the missing number in the box below?

8 : 12 = ? : 21

Ans: _____

10. Sixteen farmers shared 8 kg of potatoes equally.
Find the mass of potatoes (in kg) that each farmer received.

Ans: _____ kg

(Go on to the next page)

Questions **11** to **15** 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.
The use of calculators is **not** allowed.

(10 marks)

Do not write in this space

11 **(a)** Find the value of $\frac{3}{4} \times \frac{5}{6}$

(b) Express $\frac{2}{25}$ as a decimal.

Ans: (a) _____

(b) _____

12 Harry, Isaac and Jacob shared some sweets. Harry received twice as many sweets as Isaac. Jacob received thrice as many sweets as Harry.
What fraction of the number of sweets did Harry receive?

Ans: _____

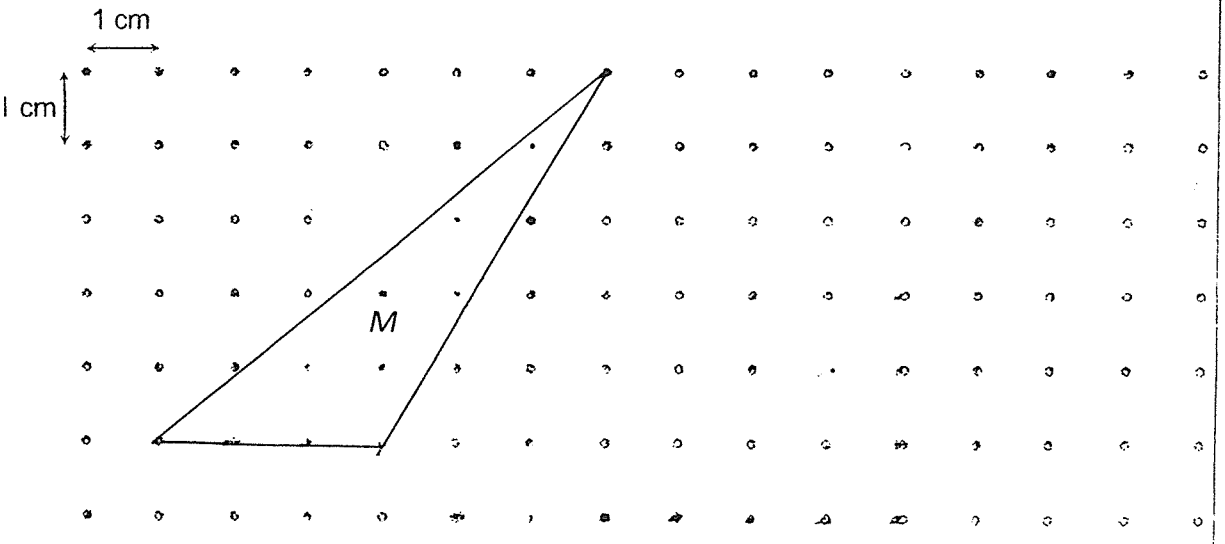
(Go on to the next page)

13 Janelle and Mason shared some stamps in the ratio 7 : 3. Janelle then gave 56 stamps to Mason. As a result, both of them had the same number of stamps. How many stamps did both of them have in total?

Do not write in this space

Ans: _____

14 Triangle M is drawn in a 1-cm square grid as shown below.



(a) Find the area of triangle M.

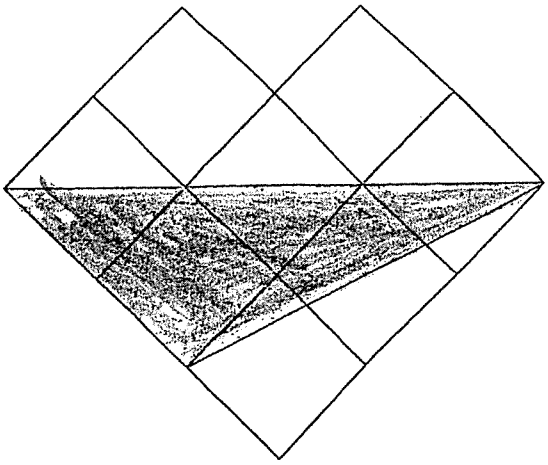
(b) In the square grid, draw another triangle with an area of 9 cm^2.

Ans: (a) _____ cm^2

(Go on to the next page)

15 The figure below is made up of 8 identical squares.

Do not write in this space



(a) What fraction of the figure is shaded?

(b) The unshaded area is 20 cm^2 greater than the shaded area. What is the total area of the figure?

Ans: (a) _____

(b) _____ cm^2

ANSWER KEY

YEAR : 2021
LEVEL : Primary 5
SCHOOL : Henry Park Primary School
SUBJECT : MATHEMATICS
TERM : Weighted Assessment 1

BOOKLET A

Q1	4	Q2	3	Q3	4	Q4	4	Q5	4
Q6	1	Q7	4	Q8	1	Q9	3		

BOOKLET B

Q10	48	Q11	$\frac{3}{8}\times\frac{4}{9}=\frac{1}{6}$
Q12	$\frac{5}{16}$	Q13	$42\div 7=6$ $6\times 5=30$
Q14	(a) 2569 (b) 9256	Q15	$96\div 3=32$ $32\times 2=64$ $64\div 4=16$
Q16	16-4=12 $\frac{1}{2}\times 12\times 20=120$	Q17	$8\div 4=2$ Ans : 2:5
Q18	$(12\times 5)+10=70$ $215\div 70=3R5$ $3\times 12=36$ 36+1=37	Q19	$\frac{4}{5}km=0.8km$ $5\times 2=10$ $0.8\times 10=8$km
Q20	True True False		

Worked Solutions & eMCQ available at www.sgtestpaper.com

ANSWER KEY

YEAR : 2021
LEVEL : Primary 5
SCHOOL : Henry Park Primary School
SUBJECT : MATHEMATICS
TERM : Quiz 1 & Weighted Assessment (Practice Set)

Quiz 1

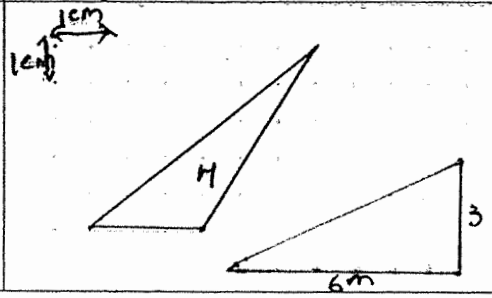
Q1	(a) 30000 (b) 870900,809700,709800,98700
Q2	(a) 403524 (b) 6008070
Q3	(a) $4200 \div 6 = 700$ (b) $450 \times 30 = 13500$
Q4	(a) $305000 \div 100 = 3050$ (b) 90
Q5	(a) 36 (b) 0
Q6	(a) $(3+12) \div 5 \times 8 = 24$ (b) $8 \div (14 - 10) \times 12 = 24$
Q7	(a) 5861 (b) 5618
Q8	(a) 17, 20 (b) $82 \times 3 = 246$ 246+20=266
Q9	96-10=36 $36 \div 3 = 12$ $12 \times 4 = 48$
Q10	24+30=54 $54 \div 2 = 27$
Q11	$5 \times 3 = 15$ 95-15=80 $80 \div 4 = 20$ 20+10+20=$50
Q12	$20 \times 3 = 60$ 300-60=240 $240 \div 8 = 30$ 30+20=$50
Q13	910-670=240 $240 \div 8 = 30$

	$30\times20=600$ 910-600=310g
Q14	(a) $19\times7=\$133$ (b) $400\div7=57$ 57+5=62

BOOKLET A (PAPER 1)

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

BOOKLET B (PAPER 1)

Q8	~~76004~~ 760004	Q9	14
Q10	$8\div16=0.5$	Q11	(a) $\frac{15}{24}$ (b) 0.08
Q12	2+1+6=9 Ans : $\frac{2}{9}$	Q13	$56\div2=28$ $28\times17+31=280$
Q14		Q15	(a) $\frac{3}{8}$ (b) 5-3=2 $20\div2=10$ $10\times8=80$

14. a) $\frac{1}{2}\times5\times3=7.5\ cm^2$

END