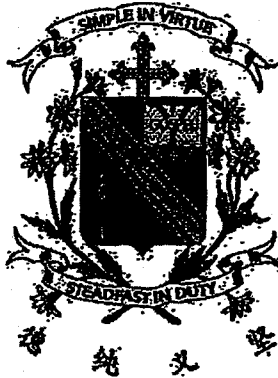


Name : _____ ()

Class: _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2018 Semestral Assessment One

Paper 1

Booklet A

8 May 2018

15 questions

20 marks

Total time for booklets A and B : 1 hour

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.

This booklet consists of 9 printed pages including the cover page.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 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 correct oval (1, 2, 3, 4) on the Optical Answer Sheet (OAS).

(20 marks)

1. In 6 890 731, the digit 9 is in the _____ place.

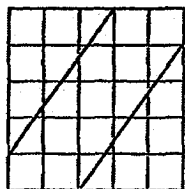
- (1) thousands
- (2) ten thousands
- (3) hundred thousands
- (4) millions

2. Find the sum of all the factors of 12.

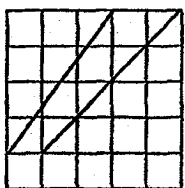
- (1) 12
- (2) 16
- (3) 21
- (4) 28

3. Which one of the following figures shows a pair of perpendicular lines?

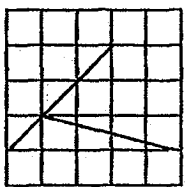
(1)



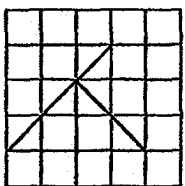
(2)



(3)



(4)



4. Express 5 tenths as a decimal.

(1) 50

(2) 5

(3) 0.5

(4) 0.05

5. A cup contains $\frac{2}{3}$ ℓ of water. How much water do 5 such cups contain?

(1) $2\frac{2}{3}$ ℓ

(2) $3\frac{1}{3}$ ℓ

(3) $4\frac{1}{3}$ ℓ

(4) $5\frac{2}{3}$ ℓ

6. Which one of the following is the same as $9 \div 4$?

(1) $4 \div 9$

(2) $\frac{1}{9} \times 4$

(3) $\frac{1}{4} \times 9$

(4) $\frac{1}{4} \times \frac{1}{9}$

7. Which one of the following is likely to be the mass of a pupil's school bag?

(1) 5 g

(2) 5 kg

(3) 50 g

(4) 50 kg

8. Jun Jie bought a packet of drink for \$1.50. He gave the stall owner a \$5 note and received the change in 50¢ coins. How many 50¢ coins did he receive?

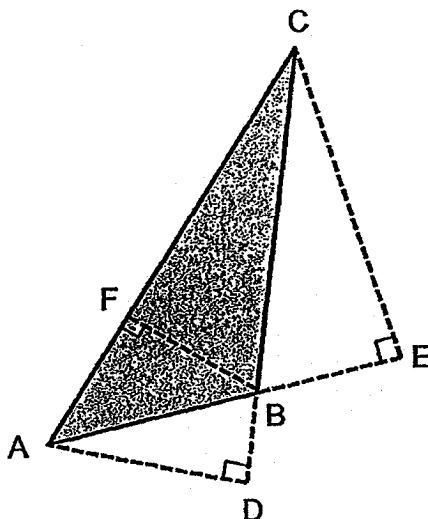
(1) 13

(2) 10

(3) 3

(4) 7

9. In the figure below, BC is the base of the triangle ABC. What is its height?



- (1) CE
 - (2) BF
 - (3) BD
 - (4) AD
10. What is the missing number?

$$12 : 15 = 20 : \underline{\hspace{2cm}}$$

- (1) 25
- (2) 23
- (3) 16
- (4) 5

11. Mrs Goh bought 5 packets of cookies. There were 15 cookies in each packet. She repacked some of the cookies into 9 bags of 6. How many cookies were not packed?

(1) 75

(2) 54

(3) 30

(4) 21

12. Florence bought some red and blue balloons. The number of red balloons was $\frac{1}{4}$ of the total number of balloons. There were 24 blue balloons. How many balloons did Florence buy altogether?

(1) 32

(2) 18

(3) 8

(4) 6

13. Han Ling packed some fruits into a box as shown in the table below. What was the ratio of the number of apples to the number of oranges to the number of pineapples?

Fruit	Number of Fruits
Pineapples	8
Apples	20
Oranges	12

- (1) 2 : 3 : 5
- (2) 2 : 5 : 3
- (3) 5 : 2 : 3
- (4) 5 : 3 : 2
14. Paraveen bought a total of 120 pink, yellow and green beads to make a necklace. There were 6 more pink beads than yellow beads. There were 4 times as many green beads as yellow beads. How many yellow beads did he buy?

- (1) 19
- (2) 21
- (3) 76
- (4) 84

15. En En had some flour. She used 360 g of it to bake a cake and $\frac{4}{9}$ of the remainder to bake some cookies. She had 900 g of flour left. How much flour did she have at first?

(1) 1080 g

(2) 1100 g

(3) 1980 g

(4) 2385 g

செய்து கொடுக்கப்பட்டுள்ளதால், இவ்வாறு
செய்து கொடுக்கப்பட்டுள்ளதால், இவ்வாறு
செய்து கொடுக்கப்பட்டுள்ளதால், இவ்வாறு

Name : _____ ()

Class: _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2018 Semestral Assessment One

Paper 1

Booklet B

8 May 2018

Booklet A	20
Booklet B	25
Total (Paper 1)	45

Total time for booklets A and B : 1 hour

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.

This booklet consists of 9 printed pages including the cover page.

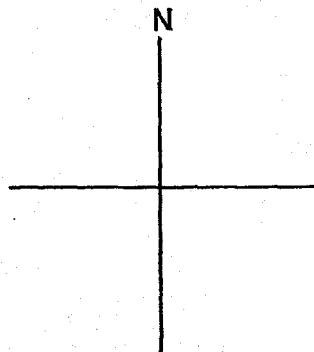
Questions 16 to 20 carry 1 mark each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

Do not write in this space

16. Round 327 954 to the nearest hundred.

Ans : _____

17. The figure below shows an 8-point compass. Wei Xi turned 135° clockwise and faced south-east. Which direction was she facing before she made the turn?



Ans : _____

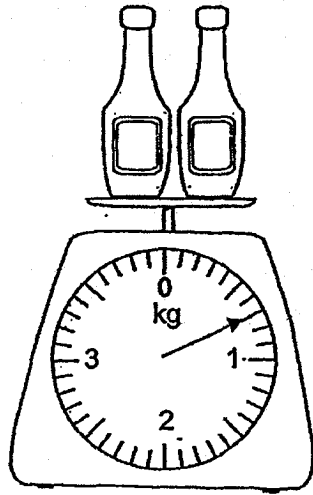
18. Find the value of $\frac{8}{5} \times \frac{4}{10}$.

Give your answer as a fraction in its simplest form.

Ans : _____



19. The figure below shows the mass of 2 identical bottles.



What is the mass of 1 bottle?

Ans : _____ g

20. Edward ran 3200 m while Felica ran 2 km 400 m. What was the total distance that they ran altogether?

Ans : _____ m

Do not write
in this space



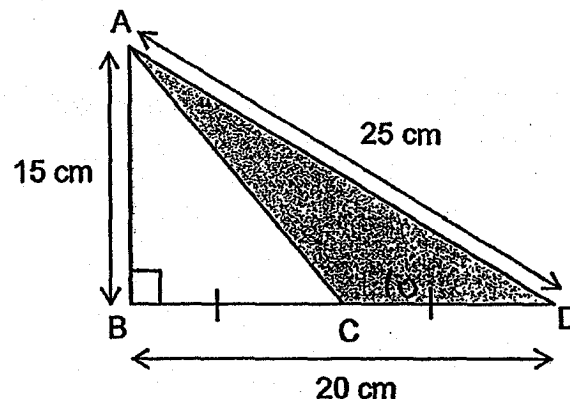
Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

Do not write in this space

21. Mrs Lim was thinking of a number which was between 30 and 50. When she decided the number by 5, she had a remainder of 3. When she divided the number by 7, she had a remainder of 1. What was the number she was thinking of?

Ans : _____

22. The figure below is made up of triangle ABC and triangle ACD. Find the area of triangle ACD.



Ans : _____ cm²



23. The ratio of the length of a rectangle to its breadth is 3 : 2. The breadth of the rectangle is 6cm. What is the area of the rectangle?

Do not write
in this space

Ans : _____ cm²

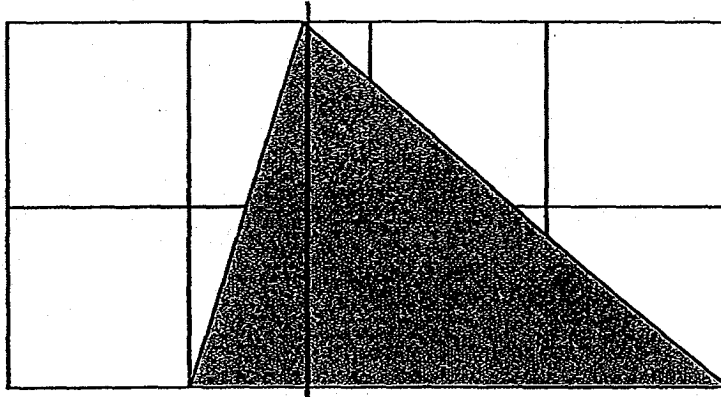
24. The ratio of the amount of money that Andy has to the amount of money that Bobby has is 4 : 9. Bobby has 3 times as much money as Calvin. Calvin has \$60. How much money does Andy have?

Ans : \$ _____



25. The figure below is made up of 8 identical squares. What fraction of the figure is shaded? Express your answer in its simplest form.

Do not write
in this space



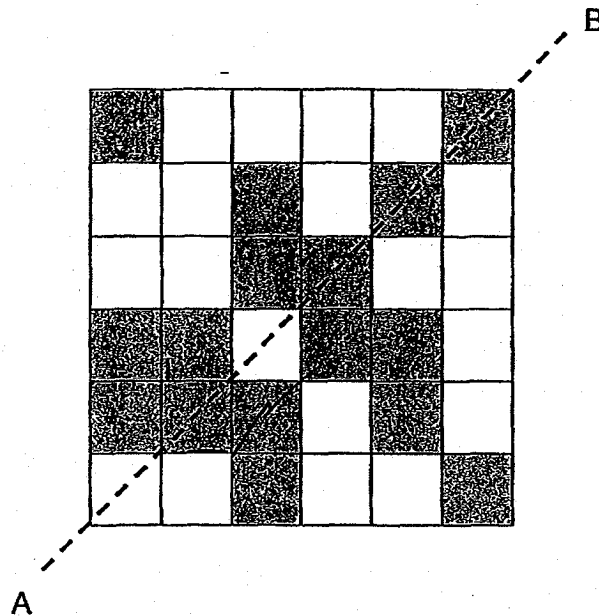
Ans : _____

26. Rodney is 24 years old this year. He is thrice as old as Mervin. In how many years' time will Rodney be twice Mervin's age?

Ans : _____



27. There are 16 shaded squares in the figure below.
squares to form a symmetric figure with AB as the line of symmetry.



Do not write
in this space

28. Jia Yi baked twice as many biscuits as Bing Hui. After Jia Yi gave away $\frac{3}{8}$ of her biscuits and Bing Hui baked another 18 biscuits, the two girls had the same number of biscuits. How many biscuits did Bing Hui bake altogether?

Ans : _____



29. The table below shows the movie schedule at Best Shows Cinema.

Do not write
in this space

Screening Now		
Movie Show	Start Time	Duration of Movie
Terrific Rim	1.30 p.m. 4.15 p.m.	2 h 15 min
Ah Girls to Women	12.15 p.m. 3 p.m.	2 h 5 min
Sherlock Domes	3 p.m. 5.15 p.m.	1 h 50 min

Joshua arrives at the cinema at 1.50 p.m. He wants to watch a movie from the start to the end. He has asked his father to pick him up at 5 p.m.

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

Statement	True	False	Not possible to tell
Joshua is able to watch Ah Girls to Women from the start to the end.			
Joshua will be able to choose between two movies if he has asked his father to pick him up at 5.10 p.m.			



30. A train travelled from Station A to Station C. There were some passengers on board the train when it left Station A. At Station B, 13 passengers boarded the train while 57 passengers alighted the train. Finally at Station C, 128 passengers boarded the train. The number of passengers on the train when it left Station C was twice the number of passengers on the train when it left Station A. How many passengers were on board the train when it left Station A?

Do not write
in this space

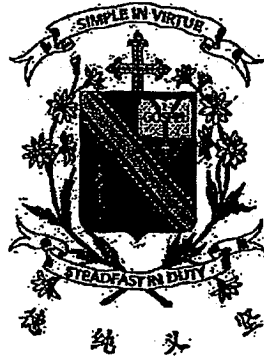
Ans : _____

****End of Booklet B****

Name: _____ ()

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



**Primary 5 Mathematics
2018 Semestral Assessment One**

Paper 2

8 May 2018

Paper 1	45
Paper 2	55
Total Marks	100

Parent's Guardian's Signature

Time : 1 hour 30 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 an approved calculator is expected, where appropriate.

This booklet consists of 16 printed pages including the cover page.

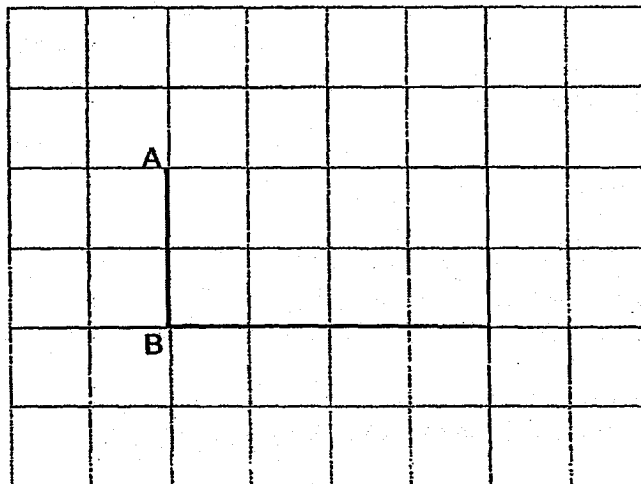
Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

1. Hui Min saved \$7 per week. Ted saved 3 times as much as Hui Min per week. How much did they save in 15 weeks altogether?

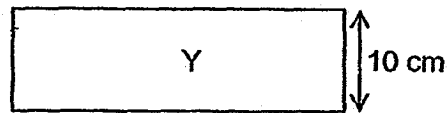
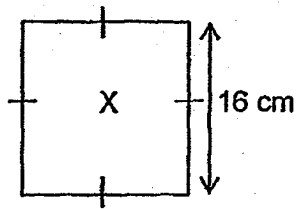
Ans : \$ _____

2. Line AB is the breadth of rectangle ABCD. It is half the length of the rectangle. Complete the drawing of rectangle ABCD in the square grid below. Label rectangle ABCD.



3. Square X and rectangle Y have the same area. Find the length of rectangle Y.

Do not
write in
this
space



Ans : _____ cm

4. The ratio of the number of cards that Joanna had to the number of cards that Korelle had was 11 : 7. Korelle had 308 cards. How many cards did Joanna and Korelle have altogether?

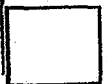
Ans : _____



5. There was a total of 460 boys and girls in the theatre at first. 97 boys left and 12 girls entered the theatre. There were then four times as many boys as girls. How many boys were there in the theatre in the end?

Do not
write in
this
space

Ans : _____



For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets () at the end of each question or part-question. (45 marks)

Do not
write in
this
space

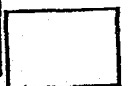
6. Uma and Li Ting had an equal amount of money at first. After Uma gave Li Ting \$40, Li Ting had five times as much money as Uma. How much money did both Uma and Li Ting have altogether?

Ans : _____ [3]

7. Mrs Koh made some fruit punch by adding 380 ml of syrup to 1 / 90 ml of water. She poured the fruit punch into 7 cups equally. What was the amount of fruit punch in each cup?

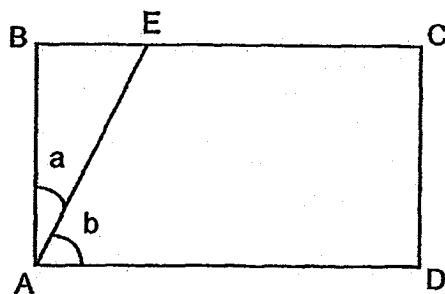
Do not
write in
this
space

Ans : _____ [3]



8. In the figure below, ABCD is a rectangle.

Do not
write in
this
space



- (a) The size of $\angle b$ is twice the size of $\angle a$. Find $\angle b$.
 (b) Name a line that is parallel to line AD.

Ans : (a) _____ [2]

(b) Line _____ [1]



9. Ms Sharidah recorded the sports that 324 children liked on a slip of paper but she accidentally spilled some coffee on the slip of paper.

Do not
write in
this
space

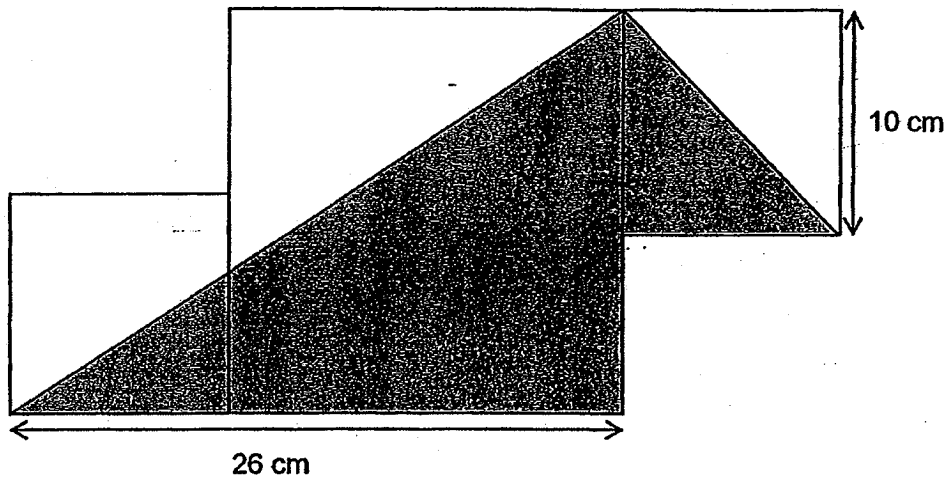
Sports	Number of children
Netball	
Badminton	
Track and Field	63

She remembered that 37 more children liked netball than badminton. How many children liked badminton?

Ans : _____ [3]

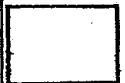
10. The figure below is made up of a big square and 2 identical small squares.

Do not
write in
this
space



Find the area of the shaded part.

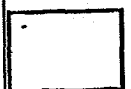
Ans : _____ [3]



11. At a football game, the ratio of the number of children to the number of adults is 3 : 10. There are 2730 more adults than children. How many people are there altogether?

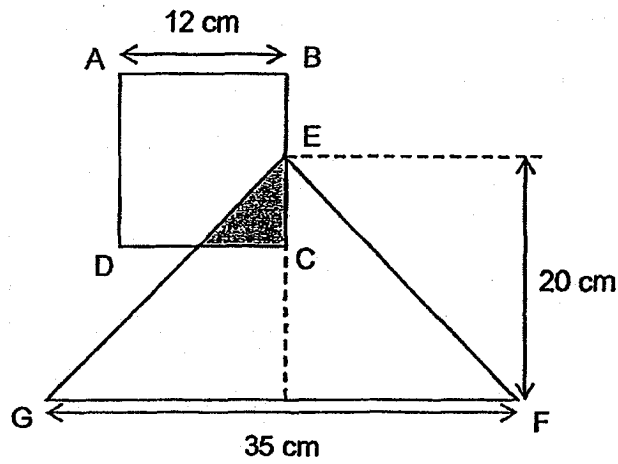
Do not
write in
this
space

Ans : _____ [3]



12. In the figure below, ABCD is a square and EFG is a triangle. $\frac{1}{8}$ of the square is shaded. Find the unshaded area of triangle EFG.

Do not
write in
this
space



Ans : _____ [4]



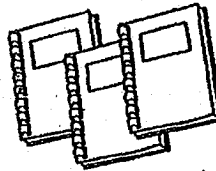
13. A shop sells notebooks at the prices shown below.

Do not
write in
this
space

NOTEBOOKS for SALE

1 notebook for \$3

6 notebooks for \$15



Mr Sahir wants to buy exactly 44 notebooks. What is the least amount of money that he needs to pay?

Ans : _____ [4]

14. Rachel and Tammy had a total of 405 stamps at first. The number of stamps that Rachel had was $\frac{2}{5}$ of the total number of stamps. After Rachel gave away some stamps, the number of stamps that Rachel had left became $\frac{1}{10}$ of the total number of stamps left. How many stamps did Rachel give away?

Do not
write in
this
space

Ans : _____ [4]

15. Mrs Soh gave Kelvin a total of 660 coins and \$2 notes. The ratio of the number of coins to the number of \$2 dollar notes was 7 : 5.

Do not
write in
this
space

- (a) How many coins were there?
- (b) The ratio of the number of 10¢ coins to the number of 20¢ coins to the number of 50¢ coins was 2 : 5 : 4. What was the total value of 50¢ coins that Kelvin received from Mrs Soh?

Ans : (a) _____ [2]

(b) _____ [3]

16. Pupils are seated around 8-sided tables that are joined together in a straight row as shown in the arrangements below. The figures follow a pattern.

Do not
write in
this
space

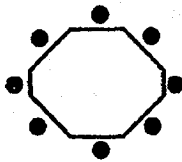


Figure 1

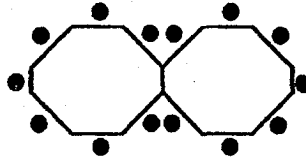


Figure 2

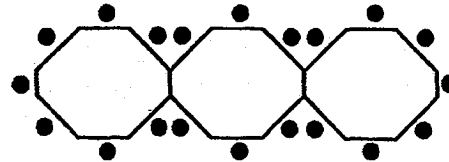


Figure 3

- (a) The table below shows the number of pupils seated for each arrangement. Complete the table for Figure 4 and Figure 5.

Figure Number	Number of pupils
1	8
2	14
3	20
4	
5	

(1m)

- (b) How many pupils can be seated at 9 such tables?
(c) How many tables will be needed to seat 176 pupils?

Ans : (b) _____ [2]

(c) _____ [2]



17. Mr Tan spent $\frac{1}{3}$ of his money on files. He spent $\frac{3}{7}$ of his remaining money on 8 similar files and 6 similar pens. 2 files cost as much as 3 pens. If he were to spend all his money on buying files only, how many files could he buy altogether?

Do not
write in
this
space

Ans : _____ [5]



****End of Paper****

SCHOOL : CHIJ PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2018 SA1

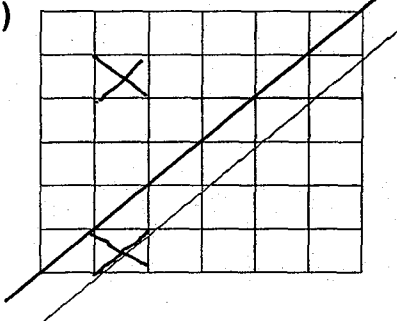
PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	4	4	3	2	3	2	4	4	1

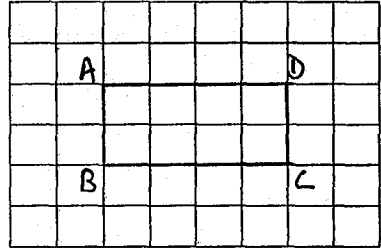
Q 11	Q12	Q13	Q14	Q15
4	1	4	1	3

PAPER 1 BOOKLET B

Q16)	328000
Q17)	North
Q18)	$8/5 \times 4/10 = 16/25$
Q19)	2 bottles $\rightarrow$ 0.7 kg $0.7 \div 2 = 0.35$ $0.35\text{kg} = 350\text{g}$
Q20)	2 km 400 m = 2400 m $3200 + 2400 = 5600 \text{ m}$
Q21)	43
Q22)	$20 \div 2 = 10$ $\frac{1}{2} \times 10 \times 15 = 75 \text{ cm}^2$
Q23)	$6 \div 2 = 3$ $3 \times 3 = 9$ $9 \times 6 = 54 \text{ cm}^2$
Q24)	$9 \div 3 = 3$ $\$60 \div 3 = \20 $\$20 \times 4 = \80
Q25)	$3/8$
Q26)	$24 \div 3 = 8$ $24 - 8 = 16$ $16 \times 2 = 32$ $32 - 24 = 8$

Q27)	
Q28)	$8 \div 2 = 4$ $18 \times 5 = 90$
Q29)	False True
Q30)	$128 + 13 = 141$ $141 - 57 = 84$

PAPER 2

Q1)	$\$7 \times 4 = \28 $\$28 \times 15 = \420
Q2)	
Q3)	$16 \times 16 = 256$ $256 \div 10 = 25.6 \text{ cm}$
Q4)	$308 \div 7 = 44$ $11 + 7 = 18$ $44 \times 18 = 792$
Q5)	$460 - 97 = 363$ $363 + 12 = 375$ $375 \div 5 = 75$ $75 \times 4 = 300$
Q6)	$\$40 \div 4 = \10 $6 \times 2 = 12$ $\$10 \times 12 = \120
Q7)	$1 \text{ L } 90 \text{ ml} = 1090 \text{ ml}$ $1090 + 380 = 1470$ $1470 \div 7 = 210 \text{ ml}$
Q8)	a) $90 \div 3 = 30^\circ$

$30 \times 2 = 60^\circ$ b)BC	
Q9)	$324 - 63 = 261$ $261 - 37 = 224$ $224 \div 2 = 112$
Q10)	$26 - 10 = 16$ $\frac{1}{2} \times 26 \times 16 = 208$ $\frac{1}{2} \times 10 \times 10 = 50$ $208 + 50 = 258 \text{ cm}^2$
Q11)	$10 - 3 = 7$ $2730 \div 7 = 390$ $10 + 3 = 13$ $390 \times 13 = 5070$
Q12)	$12 \times 2 = 144$ $\frac{1}{8} \times 144 = 18$ $\frac{1}{2} \times 35 \times 20 = 350$ $350 - 18 = 332 \text{ cm}^2$
Q13)	$44 \div 6 = 7 \text{ R } 2$ $7 \times \$15 = \105 $\$105 + \$3 + \$3 = \111
Q14)	$405 \div 15 = 27$ $27 \times 5 = 135$
Q15)	Coins : \$2 notes 7 : 5 a) $660 \div 12 = 55$ $55 \times 7 = 385$ 10c coins : 20c coins : 50c coins 2 : 5 : 4 b) $5 + 4 + 2 = 11$ $385 \div 11 = 35$ $35 \times 4 = 140$ $140 \times \\$0.50 = \\70
Q16)	a) $26 / 32$ b) $9 \times 8 - 16 = 56$ c) $176 - 8 = 168$ $168 \div 6 = 28$ $28 + 1 = 29$
Q17)	$8f + 6p = 18p$ $18 \div 3 = 6$ 1/7 of R $\rightarrow$ 6 pens $6 \times 7 = 42$ $42 \div 2 = 21$ $21 \times 3 = 63$ $63 \div 3 = 21$ $21 \times 2 = 42$

