Paper 1 comprises 2 booklets, A and B.

MATHEMATICS
PAPER 1
(BOOKLET A)

20

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.
6. You are **not** allowed to use a calculator.

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 oval (1, 2, 3 or 4) on the Optical Answer Sheet.   (20 marks)

1.   77 tens + 7 tenths + 7 thousandths = _____.

   (1)   770.077

   (2)   770.707

   (3)   707.077

   (4)   707.77

2.   The length of a school bus is about _____.

   (1)   0.9 m

   (2)   9 m

   (3)   0.9 km

   (4)   9 km

3.   Find the value of 4 wholes and 8 quarters.

   (1)   36

   (2)   12

   (3)   3

   (4)   6

4. A certain number has 5 factors. They are:

1, 2, 8, 16 and _____

What is the missing factor?

(1) 5

(2) 16

(3) 32

(4) 4

5. The value of $3\frac{1}{2} + 2\frac{1}{3}$ is _____ .

(1) $5\frac{1}{6}$

(2) $5\frac{1}{5}$

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

(4) $5\frac{5}{6}$
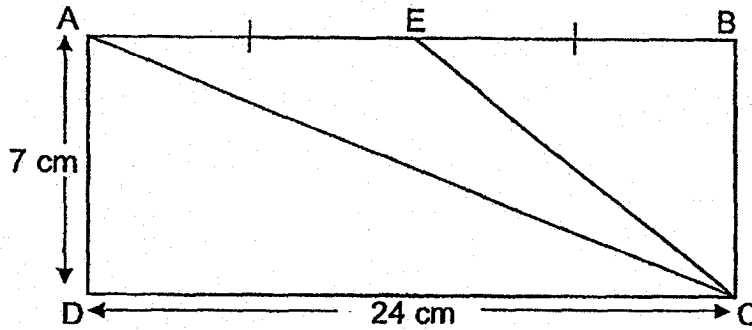
6. Express 3.9% as a decimal.

(1) 0.039

(2) 0.39

(3) 39

(4) 390

7. Find the area of Triangle ACE.

(1) 21 cm²

(2) 42 cm²

(3) 84 cm²

(4) 168 cm²
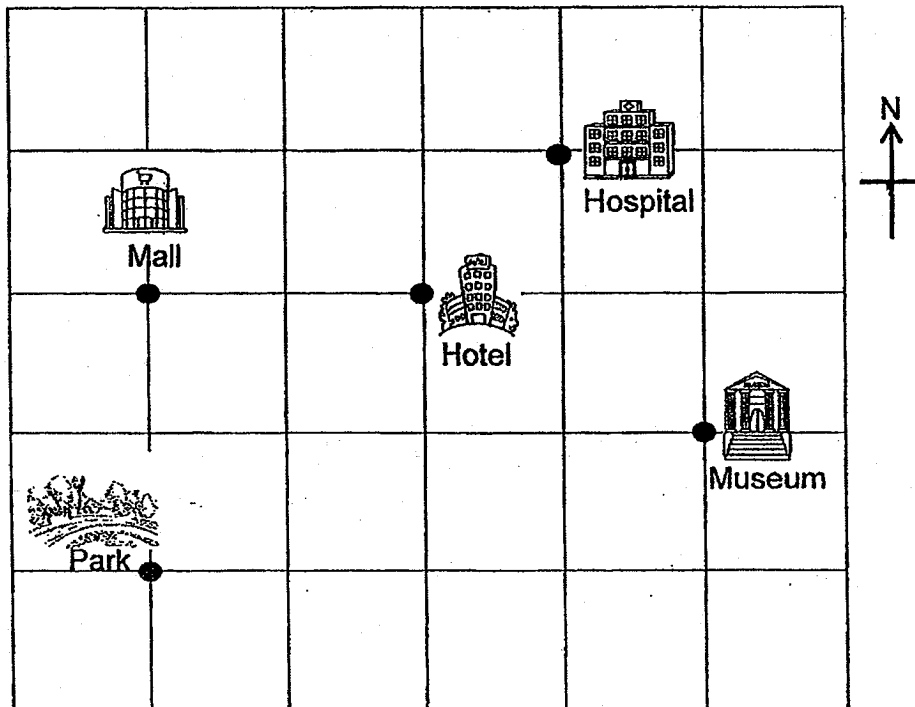
8. Teck Wee bought the armchair. How much did he pay?

(1) $100

(2) $125

(3) $400

(4) $600

Usual Price: $500

SALE
20% discount

9. The _____ is south-west of the Hotel.

(1) Park

(2) Mall

(3) Museum

(4) Hospital

10. Min Sen scored 74 points for a game. Ahmad scored 4 points more than Min Sen for the same game. What was their average score?

  (1) 35

  (2) 39

  (3) 72

  (4) 76

11. Find the value of 3 x 12 + 36 ÷ (3 x 2).

  (1) 60

  (2) 42

  (3) 24

  (4) 12

12. Chen Peng filled a cubical tank of edge 40 cm with water. What was the volume of water in the tank when it was $\frac{3}{4}$ full?

  (1) 12 ℓ

  (2) 16 ℓ

  (3) 48 ℓ

  (4) 64 ℓ

13. At a supermarket, crabs are sold at $5 for every 200 g. How much does

   1 kg of crabs cost?

   (1) $1

   (2) $5

   (3) $10

   (4) $25

14. Josh and Charlotte baked some cakes in the ratio of 2 : 7. Josh baked

   60 fewer cakes than Charlotte. How many cakes did they bake altogether?

   (1)   84

   (2)   108

   (3)   210

   (4)   270

15. $\triangle ABC$ is an equilateral triangle. $\triangle BCD$ is an isosceles triangle. BCE is a

   straight line. Find $\angle DCE$.

   (1)   33°

   (2)   66°

   (3)   114°

   (4)   132°

- End of Booklet A -
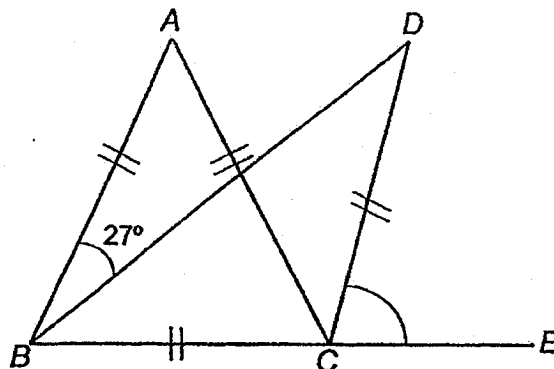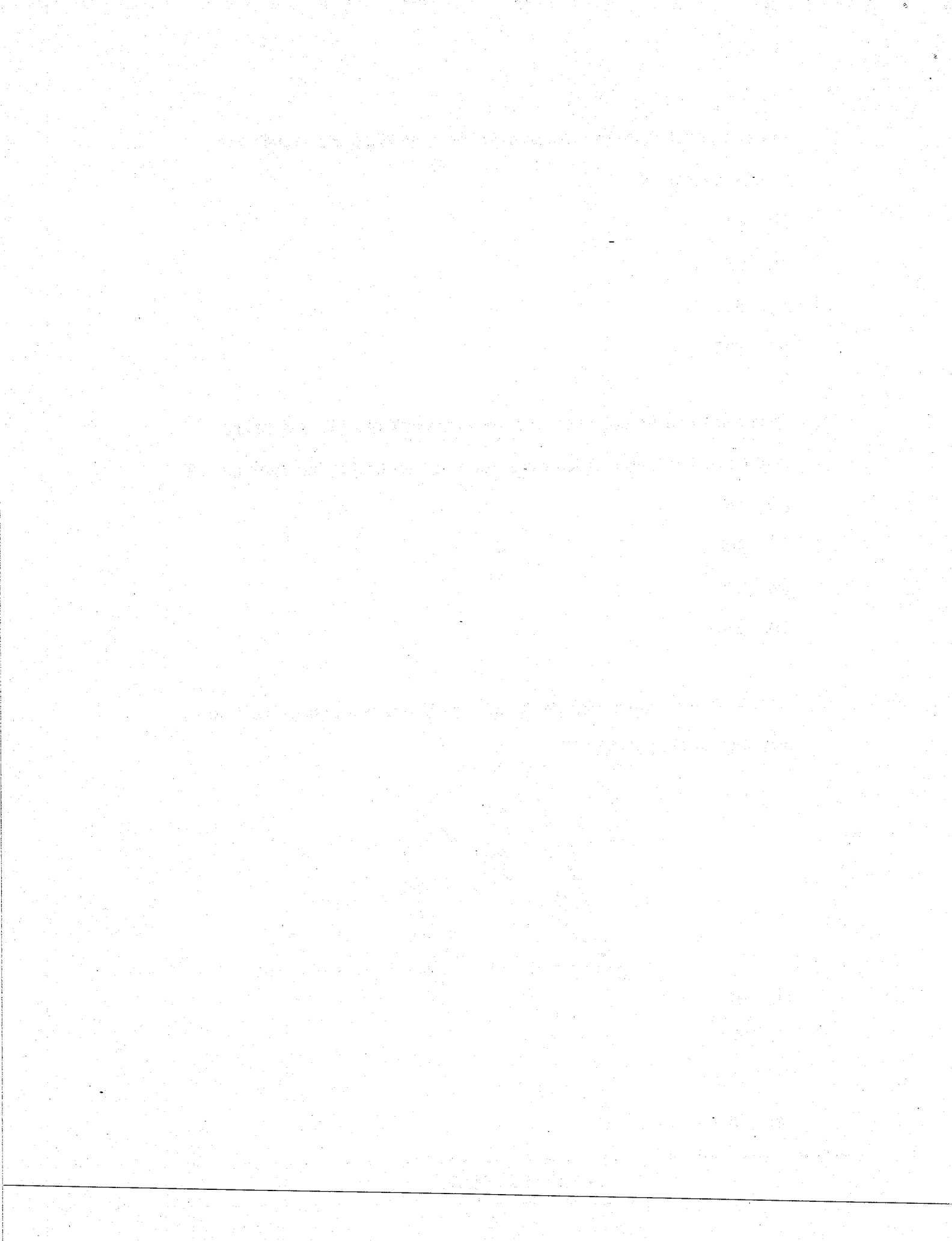
2018 PRIMARY 5 SEMESTRAL ASSESSMENT 2

Name : _____ (   )   Date: <u>24 October 2018</u>
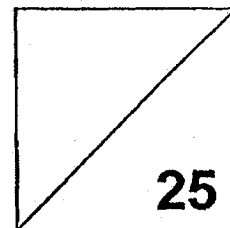
Class : Primary 5 (   )   Time: <u>8.00 a.m. - 9.00 a.m.</u>

Parent's Signature : _____

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS

PAPER 1

(BOOKLET B)

25

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. You are **not** allowed to use a calculator.

Questions **16** to **20** carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (5 marks)

16.   Round 198.395 to two decimal places.
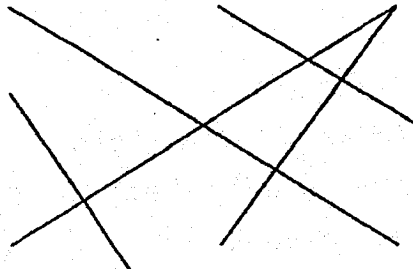
Ans: _____

17.   Express 8 kg 76 g in kilograms.

Ans: _____ kg

18.   Find the product of $\frac{4}{9}$ and $\frac{3}{8}$. Leave your answer as a fraction in its simplest form.

Ans: _____

19.   How many pair(s) of parallel lines are there in the figure?

Ans: _____

20. The table below shows the number of books borrowed by students from the library.

Number of book	Number of students
0	13
1	64
2	47
3	72
4	48
More than 4	19

How many students read at least 3 Mathematics books?

Ans: _____ .

Questions **21** to **30** 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. (20 marks)

21. The school bus was scheduled to leave the school at 1.15 p.m. However, it was delayed for $\frac{1}{5}$ hour. What time did the school bus leave the school?

Ans: _____ p.m.

22. The table below shows the rates of charges for taxi fare.

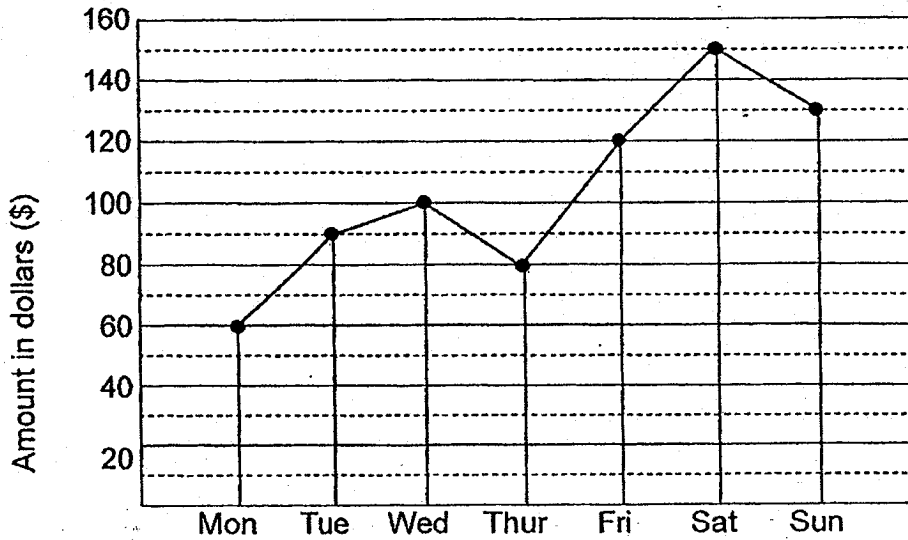| First 2 km	$3.40
Every additional 1 km or part thereof	$0.40

Amran paid a total of $5.40. What was the maximum distance he travelled?

Ans: _____ km

23. Mr Tan mixed 3.8 kg of Grade A coffee beans with 4.15 kg of Grade B coffee beans. Then he packed all the mixture into boxes of 20 g each. How many 20-g boxes are there?

Ans: _____

24. The line graph shows the daily earnings of a candy shop in a week.

Study the information given carefully. Then check (√) the correct boxes to indicate the answers you have chosen.

|		True	False	Not Possible
(a)	There was an increase in earnings every day.			
(b)	The highest amount of earnings was on Saturday.			
(c)	The lowest amount of earnings would be the same for the following Monday.			

25. The table below shows the number of different types of cupcakes that William baked.

	Number of Cupcakes
Strawberry	35
Blueberry	?
Vanilla	24
Chocolate	46
Total	140

What percentage of the cupcakes were Blueberry cupcakes?
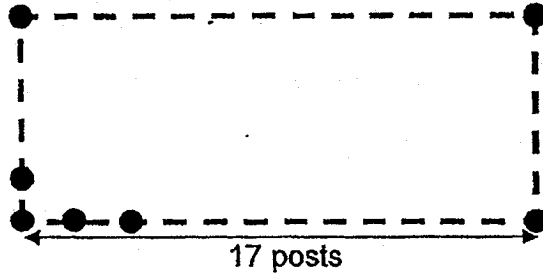
Ans: _____ %

26. In the figure shown below, ABCD is a parallelogram. ADE is an isosceles triangle. AD = AE. Find ∠DAE.

B   A
  113°

C   D   E

Ans: _____ °

12
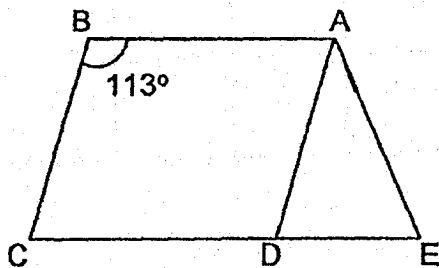
27. Raju used 60 posts to build a fence around his rectangular-shaped garden. He placed the posts at equal intervals. 17 posts were placed on each long side of the garden. How many posts were placed on each short side?

17 posts

Ans: _____

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28. A wooden box is 20.5 cm long, 15 cm wide and 10 cm tall. What is the maximum number of 1-cm cubes that can be placed into the wooden box?
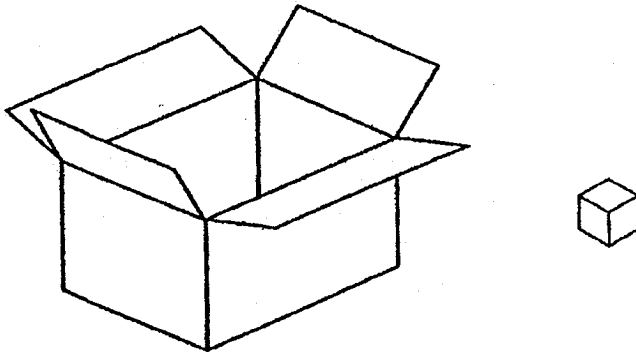

Ans: _____

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29.   Mary and Eve had the same number of roses. Then Eve gave $\frac{4}{5}$ of her roses to her mother and Mary gave away $\frac{3}{4}$ of her roses to her friends. The number of roses Mary had left was 3 more than the number of roses Eve had left. How many roses did Eve have at first?
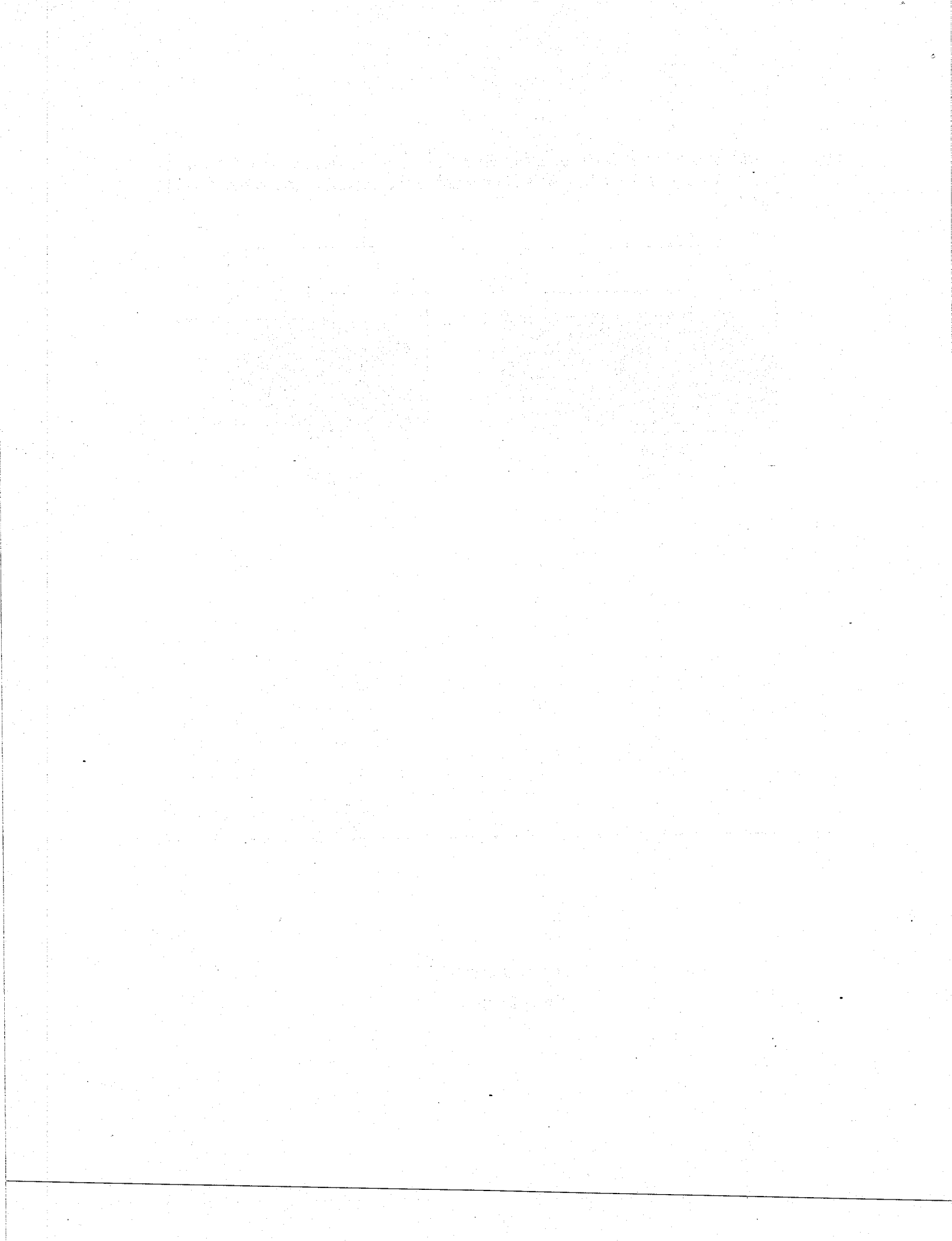
Ans: _____

30. Equal amount of water is poured into 2 empty tanks, Tank A and Tank B, as shown below. If Tank A is half-filled, what is the height of the water level in Tank B?

10 cm

5 cm

20 cm

Tank A

10 cm

10 cm

10 cm

Tank B
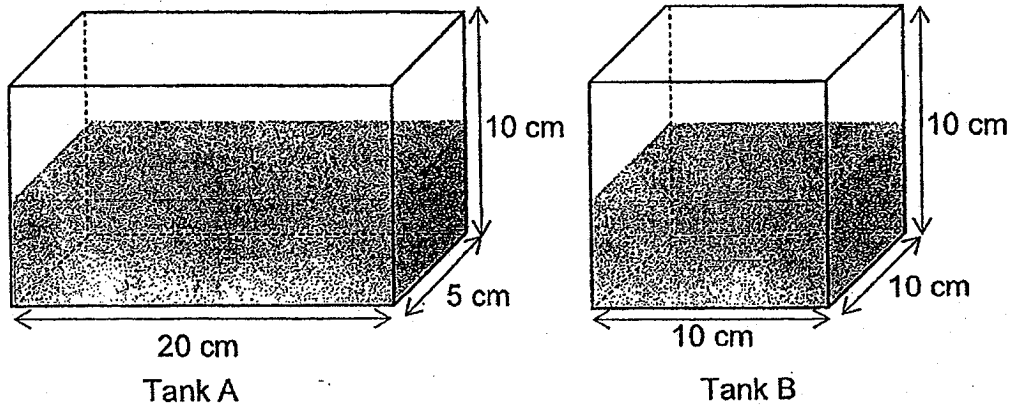
Ans: _____ cm

End of Booklet B

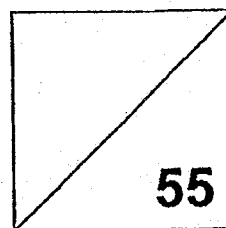End of Paper 1

2018 PRIMARY 5 SEMESTRAL EXAMINATION 2

Name: _____ (   )   Date : <u>24 October 2018</u>

Class: Primary 5 (   )   Time: <u>10.30 a.m. - 12.00 p.m.</u>

Parent's Signature: _____

MATHEMATICS

PAPER 2

55

INSTRUCTIONS TO CANDIDATES

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Show your working clearly as marks are awarded for correct working.
6. You are allowed to use a calculator.

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)

1. Two companies donated $34 293 and $53 123 to an orphanage. What was the total amount of donation when rounded to the nearest thousand?

Ans: $_____

2. Chester used $\frac{1}{4}$ of a packet of flour for some biscuits and $\frac{5}{6}$ of the remainder for some dumplings. After that, 90 g of the packet of flour was left. What was the mass of the packet of flour at first?

Ans: _____ g

3. The total mass of Alvin, Ben and Carl was 97.2 kg. Alvin's mass was 5.2 kg less than Ben. Ben's mass was 4.3 kg less than Carl. What is Alvin's mass?

Ans: _____ kg

4. A bottle contains 1.75 ℓ of orange juice. Mrs Lim keeps 850 mℓ in the refrigerator and gives the remainder equally to her 3 children. How much orange juice does each child get?

Ans: _____ mℓ

5. The figure is made up of two rectangles and a square.The length of the rectangle is twice the length of a square. The breadth of the rectangle is $\frac{1}{3}$ the breadth of the square. What is the perimeter of the figure?
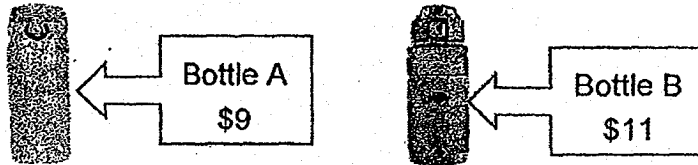

30 m
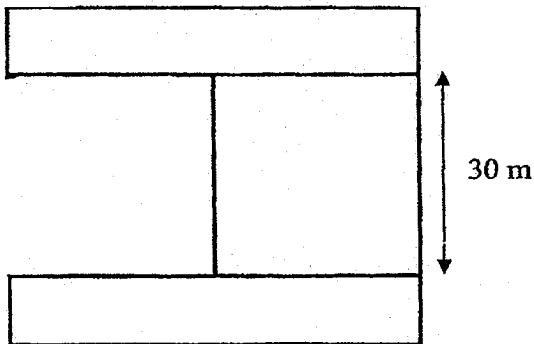
Ans: _____ m

For questions **6** to **17**, 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. (45 marks)
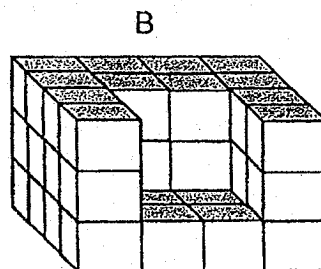
6. Mrs Tan has $240 to buy water bottles as gifts. She wants to buy an equal

   number of Bottle A and Bottle B.

   What is the total number of water bottles she can buy with all the money?

   Ans: _____ [3]

7. Solid A and Solid B are made up of 1-cm cubes.

A   B
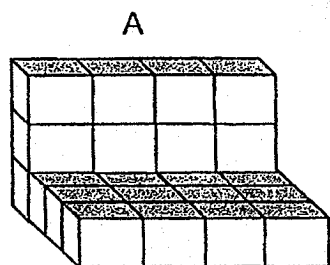
(a) How many 1-cm cubes are there in Solid A?

(b) Some 1-cm cubes are added to Solid A to form Solid B.
    Find the volume of Solid B.

Ans: (a) _____ [1]

(b) _____ [2]

8. Alice and Peter had the same amount of money at first. After Alice spent $31.75 on food and Peter spent $19.55 on drinks, Peter had three times as much money left as Alice. How much money did Peter have at first?

Ans: _____ [3]

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9. In a farm, the ratio of the number of sheep to the number of ducks is 2 : 3. These animals have a total of 70 legs. How many sheep are there?

Ans: _____ [3]

10. The original price of a bag in Shop A and an identical one in Shop B was the same. Mohamad bought the bag from Shop A at a 10% discount. Tim bought a similar bag at a 32% discount from Shop B. The difference in amount paid by them was $66. How much did Tim nay for the bag?

Ans: _____ [3]

11. Mrs Chan needed to buy 223 muffins for a Children's Home.
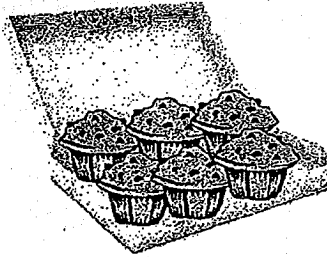
1 box costs $9.60   1 box costs $11.20   1 muffin costs $1.80

What is the minimum amount of money spent?

Ans: _____ [4]

12. The table below shows the carpark charges at Playpark.

For the 1st hour	$2.80
For every additional 1 hour or part thereof	$1.40

Mr Ahmad parked his car from 9.15 a.m. to 1.30 p.m.

(a) How much parking charges did Mr Ahmad have to pay?

(b) Mr Ahmad's cash card had a value of $26.80. How much money was left in the cash card after paying for the carpark charges?
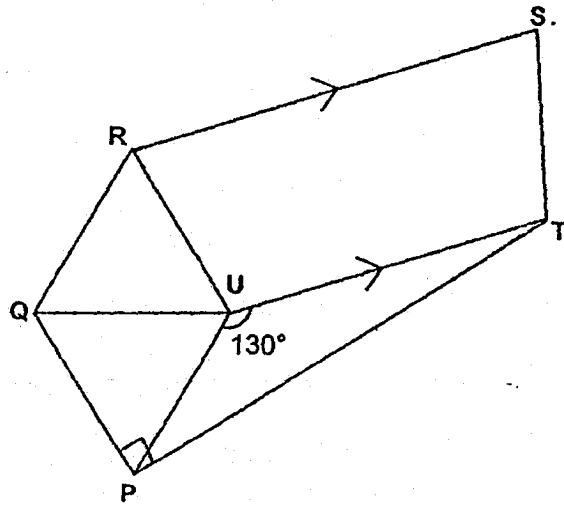
Ans: (a) _____ [3]

(b) _____ [1]

13. RSTU is a trapezium and PQRU is a rhombus. QRU is an equilateral triangle and PUT is a triangle.' $\angle PUT = 130°$

Find
(a) $\angle PTU$
(b) $\angle SRU$

R

S.

U

130°

Q

T

P

Ans: (a) _____ [2]

(b) _____ [2]

14. Rita had 3 kg of sugar. She used $\frac{3}{5}$ of it to make some desserts and $\frac{3}{4}$ of the remainder to bake some cakes.

(a) How much sugar did she use to make the desserts?
   Give your answers in kilograms.

(b) She used 25 g of sugar to make each cake. How many more cakes could she make with the sugar that she had left?

Ans: (a) _____ [2]

(b) _____ [2]

15. The average amount of money Hashim and Benny had was $280. After Benny spent $83 and Hashim received $48 from his uncle, Benny had $\frac{1}{4}$ as much money as Hashim. What is the difference in the amount of money Benny and Hashim had at first?

Ans: _____[4]

16. $\frac{3}{7}$ of the fruits in a fruit farm are mangoes. Half of the rest of the fruits were sold to customers. Amongst the mangoes, $\frac{6}{11}$ of them are bad and 1050 are good. How many fruits were sold to the customers?

Ans: _____ [5]

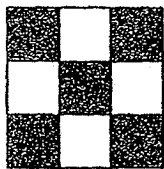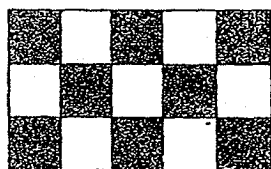17. The pattern below is made up of black and white tiles.
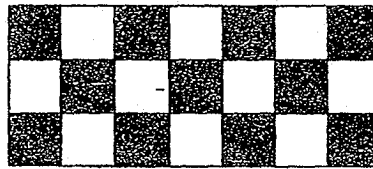
Figure 1   Figure 2   Figure 3
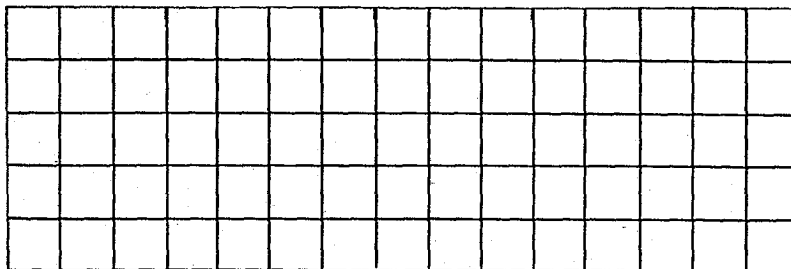
Figure 5

Figure Number	Number of Black Tiles	Number of White Tiles	Total Number of Tiles
1	5	4	9
2	8	7	15
3	11	10	21

(a) Draw Figure 5 in the box given   [1]

(b) How many white tiles and how many black tiles are there in Figure 10?

(c) Find the Figure number that has a total of 105 black and white tiles.

Ans: (b) Black Tiles_____ [1]

White Tiles _____ [1]

(c)_____ [2]

End of Paper 2

SCHOOL : TAO NAN PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2018 SA2

PAPER 1 BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	2	4	3	4	1	2	3	1	4

Q11	Q12	Q13	Q14	Q15
2	3	4	2	2

PAPER 1 BOOKLET B

Q16)	198.40
Q17)	8.076kg
Q18)	1/6
Q19)	1 pair
Q20)	72 + 48 + 19 = 139
Q21)	1.27 p.m.
Q22)	5.4 − 3.4 = 2 2 ÷ 0.4 = 5 5 + 2 = 7 km
Q23)	3.8 kg = 3800 4.15 kg = 4150 4150 + 3800 = 7950 7950 ÷ 20 = 297.5 397.5 ≈ 397
Q24)	a)False b)True c)Not
Q25)	25%
Q26)	180 − 113 = 67 67 x 2 = 134 ∠ADE = 180 − 134 = 46°
Q27)	17 x 2 = 34 60 − 34 = 26 26 ÷ 2 = 13 13 + 2 = 15

Q28)	$20 \div 1 = 20$
	$15 \div 1 = 15$
	$10 \div 1 = 10$
	$20 \times 15 \times 10 = 3000$
Q29)	60
Q30)	5 cm

PAPER 2

Q1)	$\$34\ 239 + \$53\ 123 = \$87416$
	$\$87416 \approx \$87000$
Q2)	$6 \times 90 = 540$
	$540 \div 3 = 180$
	$180 \times 4 = 720$ g
Q3)	$5.2 \times 2 = 10.4$
	$10.4 + 4.3 = 14.7$
	$97.2 - 14.7 = 82.5$
	$82.5 \div 3 = 27.5$ kg
Q4)	$1.75L = 1.750ml$
	$1750 - 850 = 900$
	$900 \div 3 = 300ml$
Q5)	$30 \times 2 = 60$
	$30 \div 3 = 10$
	$10 \times 4 = 40$
	$60 \times 2 = 120$
	$30 \times 4 = 120$
	$120 + 120 + 40 = 280m$
Q6)	$11 + 9 = 20$
	$240 \div 20 = 12$
	$12 \times 2 = 24$
Q7)	a)$4 + 4 = 8$
	$4 \times 4 = 16$
	$16 + 8 = 24$
	b)$4 \times 4 \times 3 = 48$
	$2 \times 2 \times 2 = 8$
	$48 - 8 = 40$ cm3
Q8)	$\$31.75 - \$19.55 = \$12.20$
	$\$12.20 \div 2 = \$6.10$
	$\$6.10 \times 3 = \$18.30$
	$\$18.30 + \$19.55 = \$37.85$
Q9)	$2 \times 4 = 8$
	$3 \times 2 = 6$
	$8 + 6 = 14$ $5 \times 2 = 10$
	$70 \div 14 = 5$

|	
Q10)	$66 \div 22 = 3$ $100 - 32 = 68$ $68 \times 3 = \$204$
Q11)	$8 \times 27 = 216$ $223 - 216 = 7$ $7 - 6 = 1$ $1 - 1 = 0$ $\$9.60 + \$1.80 = \$11.40$ $27 \times \$11.20 = \$302.40$ $\$302.40 + \$11.40 = \$313.80$
Q12)	a)$\$2.80 + \$1.40 + \$1.40 + \$1.40 + \$1.40 = \$8.40$ b)$\$26.80 - \$8.40 = \$18.40$
Q13)	a)$\angle QRU = 180° \div 3 = 60°$ $\angle QPU = 60°$ $\angle UPQ = 90° - 60° = 30°$ $\angle PTU = 180° - 130° - 30° = 20°$ b)$\angle RUT = 360° - 60° - 60° - 130° = 110°$ $\angle SRU = 180° - 110° = 70°$
Q14)	a)$3/1 \times 3/5 = 9/5 = 1\,4/5$ b)$3kg - 1.8kg = 1.2kg$ $¾ \times 1.2kg/1 = 0.9kg$ $0.9kg = 900g$ $1200 - 900g = 300g$ $300 \div 25 = 12$
Q15)	$280 \times 2 = 560$ $560 - 83 + 48 = 525$ $1 + 4 = 5$ $5 \text{ units} = \$525$ $1 \text{ unit} = \$525 \div 5 = \$105$ $\$105 + \$83 = \$188$ $\$105 \times 4 = \$420$ $\$420 - \$48 = \$372$ $\$372 - \$188 = \$84$
Q16)	$1 - 6/11 = 5/11$ $1050 \div 5 = 210$ $210 \times 11 = 2310$ $2310 \div 3 = 770$ $1 - 3/7 = 4/7$ $770 \times 4 = 3080$ $3080 \div 2 = 1540$

Q17) **a)**
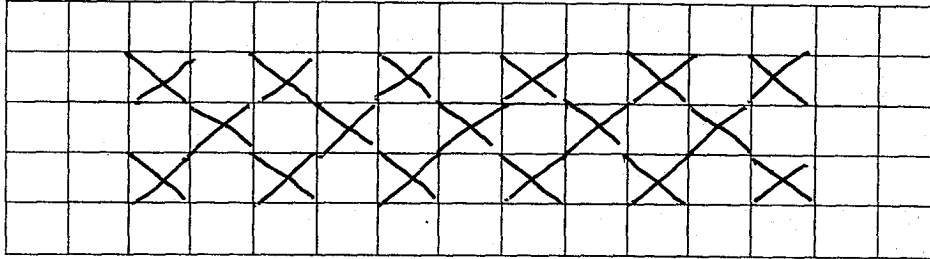
b) black Tiles : 32

White Tiles : 31

c) 105 − 9 = 96

96 ÷ 6 = 16

16 + 1 = 17