Name : _____ (

Class : Primary 6 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 6 Mathematics

2015 Continual Assessment One

Paper 1

Booklet A

3 March 2015

15 questions
20 marks

TOTAL TIME FOR BOOKLET A & 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.
THE USE OF CALCULATORS IS NOT ALLOWED.

This booklet consists of 8 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. (20 marks)

---

1) In 8 413 297, which digit is in the hundred thousands place?

(1) 1

(2) 2

(3) 3

(4) 4

2) Which one of the following numbers is 60 000, when rounded off to the nearest hundred and when rounded off to the nearest thousand?

(1) 59 599

(2) 59 950

(3) 60 050

(4) 60 499

3) What is the value of $10 \div 5000$?

(1) 0.002

(2) 0.02

(3) 50

(4) 500

4) Which of the following is equivalent to $3 \div \frac{7}{9}$?

(1) $\frac{1}{3} \times \frac{9}{7}$

(2) $\frac{7}{9} \times 3$

(3) $2 + \frac{1}{3}$

(4) $3 + \frac{6}{7}$

5) A $\frac{4}{5}$-kg of honeydew was cut into 8 equal pieces. What is the mass of each piece of honeydew?

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

(2) $\frac{5}{32}$kg

(3) $6\frac{2}{5}$kg

(4) $7\frac{1}{5}$kg

6) What is the volume of a cube of edge 8 cm?

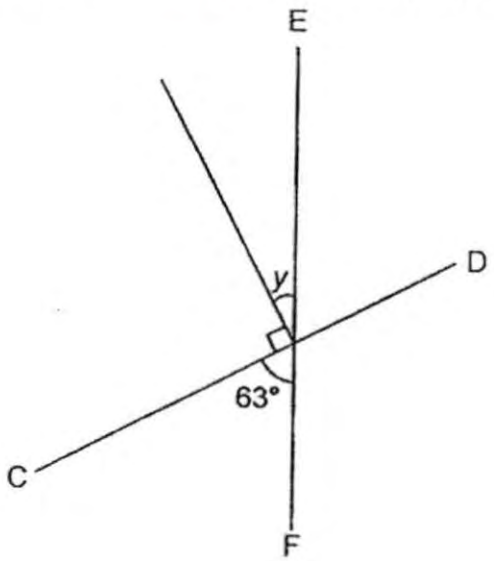
(1) 24 cm^3

(2) 64 cm^3

(3) 128 cm^3

(4) 512 cm^3

7) In the figure below, not drawn to scale, CD and EF are straight lines. Find $\angle y$.



(1) 27°

(2) 37°

(3) 45°

(4) 63°

8) A kg of dried mushrooms costs $28. What is the cost of 200 g of the dried mushrooms?

(1) $5.60
(2) $11.20
(3) $14.00
(4) $56.00

9) The usual price of a power bank was $75. During a sale, it was sold at a discount of 20%. How much was the discount?

(1) $60
(2) $55
(3) $15
(4) $11

10) The length of stick U is $\frac{5}{2}$ of the length of stick T. Stick U is 18 cm longer than stick T. Find the length of stick T.

(1) 2 cm
(2) 6 cm
(3) 10 cm
(4) 12 cm

11) 6 children shared a pizza equally at a party. One of them gave away $\frac{1}{2}$ of his share to his sister. What fraction of the pizza had he left?

(1) $\frac{1}{12}$

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

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

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

12) Mrs Smith baked 32 pies and 40 puffs. She sold all the pies at $\$w$ each and all the puffs at \$2 each. How much money did she collect altogether?

(1) $\$104\ w$

(2) $\$112\ w$

(3) $\$(32w + 80)$

(4) $\$(40w + 60)$

13) 10 similar pens cost $14. Helix paid $30 for 30 pens. How much discount was he given?

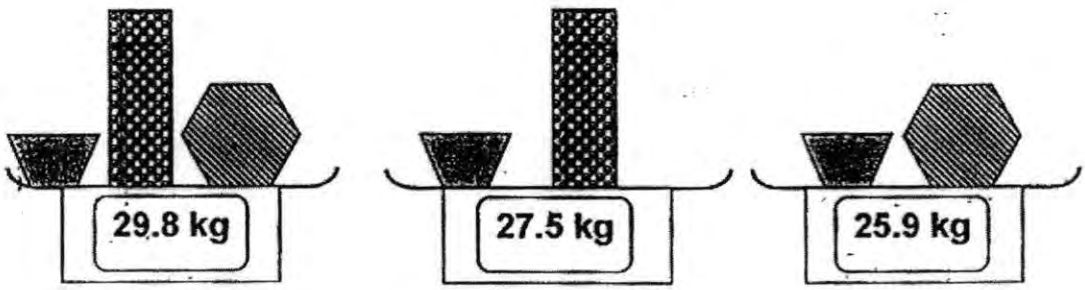
(1) $10

(2) $12

(3) $16

(4) $28

14) Kaili used a digital weighing scale to find the mass of 3 different objects in kilograms. What is the mass of  ?



(1) 12.95 kg

(2) 23.6 kg

(3) 28.65 kg

(4) 31.4 kg

15) Anthon had a 10-m long string. He cut 5 pieces of string, each measuring $\frac{4}{5}$m, to tie some boxes. He then cut the remaining string into some pieces each of length $\frac{5}{8}$m to tie some parcels. How many pieces of string, each $\frac{5}{8}$m in length, did Anthon cut altogether?

(1) 7

(2) 8

(3) 9

(4) 10

End of Booklet A

Name : _____ ( )

Class : Primary 6 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 6 Mathematics

2015 Continual Assessment One

Paper 1

Booklet B

3 March 2015

15 questions
20 marks

TOTAL TIME FOR BOOKLET A & B : 50 MINUTES

INSTRUCTIONS TO CANDIDATES
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This booklet consists of 8 printed pages including the cover page.

Questions **16 to 25** carry 1 mark each. 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.

16) Find the value of 46 - 19 + 3 x 8 ÷ 4.

Ans : _____

17) What is the value of 6370 ÷ 70?

Ans : _____

18) Express $5\frac{2}{11}$ as a decimal. Leave your answer correct to 2 decimal places.

Ans : _____

19) What fraction is exactly halfway between $\frac{2}{9}$ and $\frac{3}{9}$?

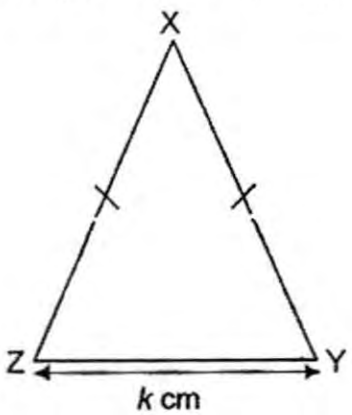
Do not write in this space.

Ans : _____

20) In a class of 40 pupils, 13 boys and 9 girls wear spectacles. What fraction of the class does not wear spectacles? Express your answer in the simplest form.

Ans : _____

21) The figure below shows a triangle XYZ with a perimeter of 45 cm. Find the length of XY. Express your answer in terms of k.



Ans : _____cm

22) Maggie left her house at 3.40 p.m. and reached her friend's house at 5.25 p.m. How long did she take to travel to her friend's house?

Do not write in this space.

Ans : _____ h _____ min

23) Tosh had 2 ropes with a total length of 10.1 m. When he cut 4.07 m from the longer rope, the length of the remaining rope was twice of the length of the shorter rope. Find the length of the shorter rope.

Ans : _____ m

24) Jaden poured 7.2 ℓ of apple juice into some glasses, each with a capacity of 300 mℓ. How many glasses did Jaden use altogether?

Ans: _____

25) The table below shows the prices of a particular brand of detergent from 3 different shops. From where would Mrs Yan get the detergent at the lowest price?

Do not write in this space.

	Friendly Mart	Cooler Storage	AA Supermart
Price before discount	$6.50	$7	$10
Discount	No discount	10%	$3 discount

Ans: _____

Questions **26** 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. (10 marks)

Do not write in this space.

26) Max wrote a string of letters in the following pattern as shown below. If the pattern were to continue and he wrote a total of 65 letters, how many 'L' would there be altogether?

J K K L L L J K K L L L J K K L L L

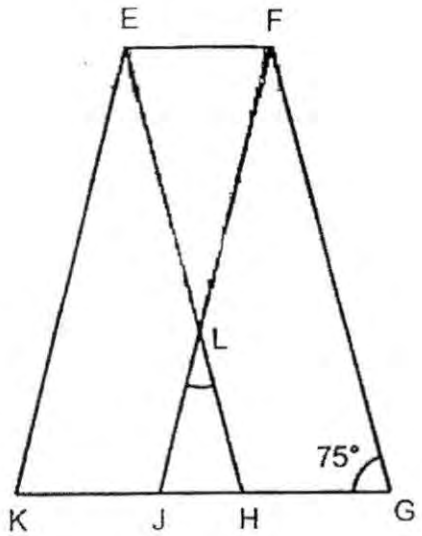
Ans : _____

27) Mrs Kong spent $\frac{2}{7}$ of her salary on a camera. She saved $\frac{3}{5}$ of the remainder. Then she distributed the rest equally among her parents and 2 children. What fraction of her salary did each of them receive?

Ans : _____

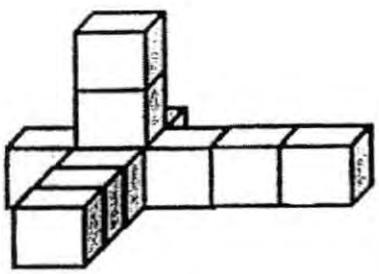
Do not write in this space.

28) The figure below is not drawn to scale. EFJK and EFGH are parallelograms. EFL is an isosceles triangle. Find $\angle$JLH.



Ans : _____ °

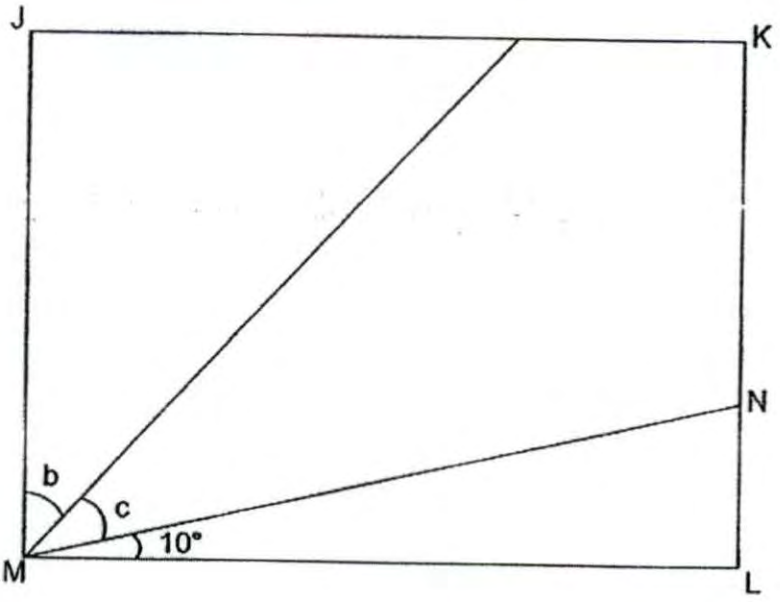
29) The solid figure below is made up of unit cubes which have been glued together. What is the minimum number of unit cubes that are needed to build the solid figure into a cuboid?



Ans : _____

Do not write in this space.

30) The figure below is not drawn to scale. JKLM is a rectangle. $\angle b$ is $\frac{2}{3}$ of $\angle c$ and $\angle LMN = 10°$. Find $\angle c$.



Ans : _____ °

End of Paper 1

Name : _____ ( )

Class : Primary 6 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 6 Mathematics

2015 Continual Assessment One

Paper 2
3 March 2015

Paper 1	40
Paper 2	60
Total	100

18 QUESTIONS
60 MARKS

TOTAL TIME FOR PAPER 2 : 1 HOUR 40 MINUTES

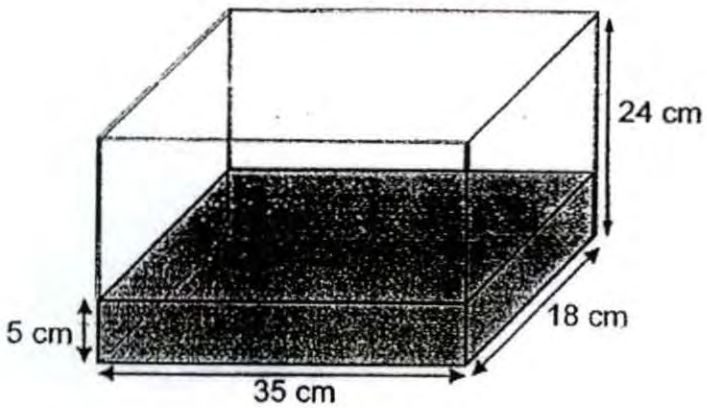
INSTRUCTIONS TO CANDIDATES
Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
The use of an approved calculator is expected, where appropriate.

This booklet consists of 17 printed pages including the cover 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)

Do not write in this space.

1. How much more water is needed to fill the tank to its brim?



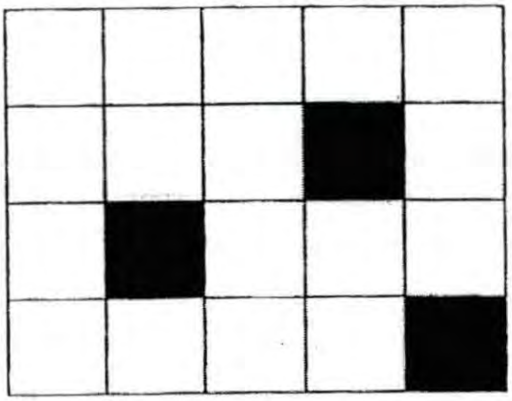
Ans: _____ cm^3 [2]

2. Vincce had 60 buttons and Aurelia had 50 buttons. What percentage of her buttons must Aurelia give Vincce so that Vincce had 40 more buttons than Aurelia?

Ans: _____ % [2]

3. How many more squares must be shaded in the figure below so that the ratio of the number of shaded squares to the number of unshaded squares is 2 : 3?

Do not write in this space



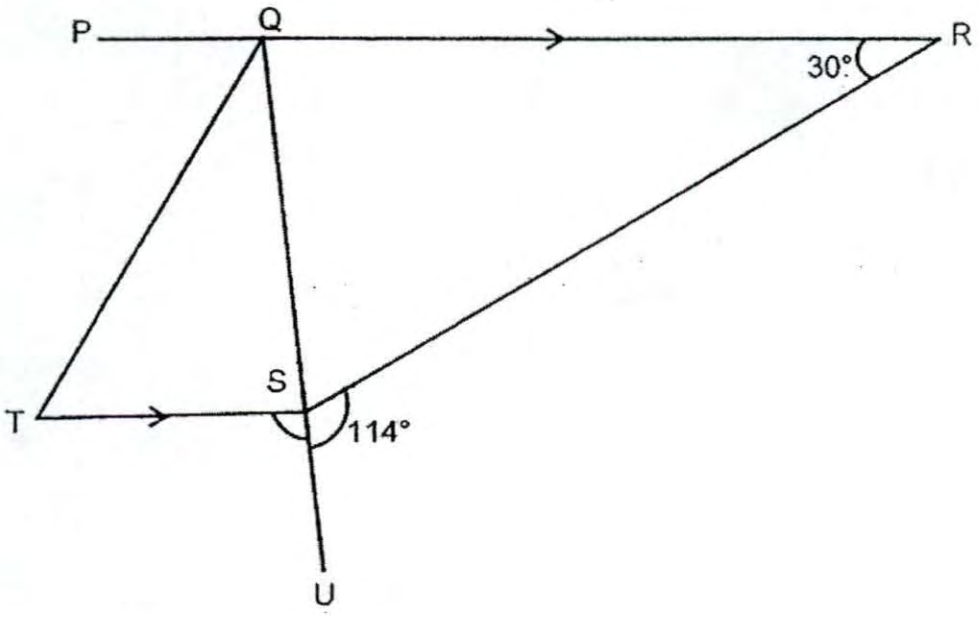
Ans: _____ [2]

4. A tap takes $\frac{1}{5}$ h to fill $\frac{3}{7}$ of a tank. At this rate, how long does it take to fill the tank completely?

Ans: _____ min [2]

5. The figure below is not drawn to scale. PQR and QSU are straight lines. Find $\angle TSU$.

Do not write in this space

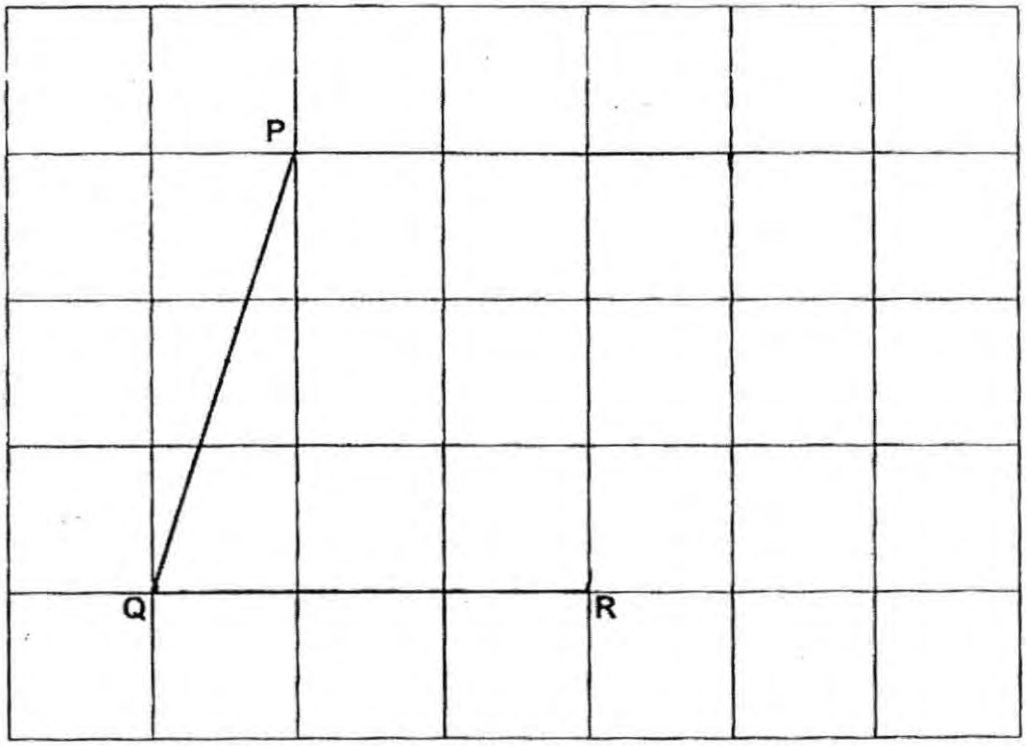


Ans: _____° [2]

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]

Do not write in this space.

6. PQ and QR are the sides of a parallelogram PQRS. Complete the parallelogram in the square grid below and label it. Join Q to S. Measure and write down the length of QS.



Ans: _____ [3]

7. Nigel bought w burgers at \$6 each and 4 popsicles at \$2 each. He received a change of \$12 from the cashier.

(a) Express the amount of money Nigel gave the cashier in terms of w.

(b) If $w = 5$, what was the amount of money he gave the cashier?

Do not write in this space.

Ans: (a) _____ [1]

(b) _____ [2]

8. Mr Yoong had some jackets for sale. He sold 104 jackets on Monday. Then he sold 456 jackets on each day from Tuesday to Saturday. He was left with twice of what he had sold from Tuesday to Saturday. How many jackets did Mr Yoong have for sale altogether?

Do not write in this space.

Ans: _____ [3]

9. Marshall had $8.50 in his coin box. They consisted of 10-cent coins and 20-cent coins. There were 2 more 20-cent coins than 10-cent coins. How many coins did Marshall have in his coin box altogether?

Do not write in this space

Ans: _____ [3]

10. The table below shows the monthly mobile phone charges.

Charges	Cost
Monthly subscription fee	$ 27.90
First 100 minutes outgoing calls	Free
Every subsequent 1 minute	$ 0.02

Faris used his mobile phone for 10 h 34 min in January. How much was his bill for January?

Ans: _____ [3]

Do not write in this space

11. At first, Dong Yul had 90 purple, red and green balloons. 12 purple balloons burst. The new ratio of the number of purple balloons to the number of red balloons to the number of green balloons was 14 : 9 : 16. Dong Yul wanted to have as many purple balloons as green balloons. How many more purple balloons did he need to buy?

Ans: _____ [3]

12. Enid had \$133. She spent $\frac{3}{7}$ of her money on a blouse. She then spent $\frac{4}{5}$ of the remaining money on a book. If she planned to use the rest of the money to buy a pair of roller-skates for \$250, how much more money would Enid need?

Do not write in this space

Ans: _____ [4]

13. In a museum, the ratio of the number of senior citizens to the number of children was 3 : 7. $\frac{3}{5}$ of the senior citizens were males. There were 66 female senior citizens. $\frac{5}{11}$ of the children were females.

(a) How many senior citizens were there in the museum?

(b) How many females were there altogether?

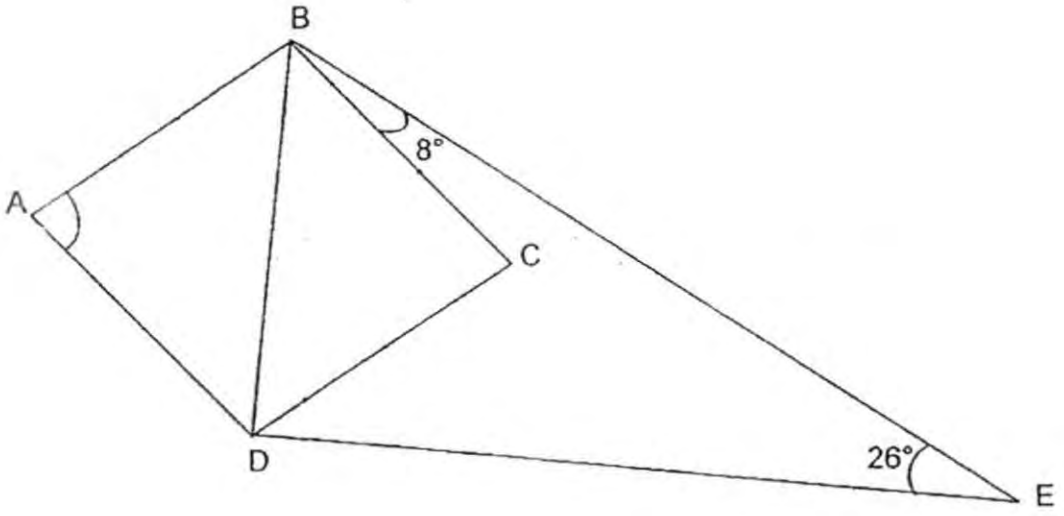
Do not write in this space.

Ans: (a) _____ [2]

(b) _____ [2]

14. The figure below is not drawn to scale. ABCD is a rhombus and BDE is a right-angled triangle. $\angle CBE = 8°$ and $\angle DEB = 26°$. Find $\angle DAB$.

Do not write in this space.



Ans: _____ [4]

15. Danniel and Kim shared 360 game cards. Danniel lost $\frac{1}{4}$ of his cards to Kim in a card game. Then he gave half of his remaining cards to his brother, Karl. In the end, Danniel had 78 cards left. How many game cards did Kim have after the game?

Do not write in this space.

Ans: _____ [5]

16. Jeremy mixed $\frac{3}{4}\ \ell$ of lemon syrup with $\frac{7}{8}\ \ell$ of soda water to make lemonade for a gathering. He served $\frac{4}{5}\ \ell$ of the lemonade to his family and then poured the remaining lemonade into some glasses for his guests. The capacity of each glass is $\frac{1}{10}\ \ell$.

Do not write in this space.

(a) What is the total number of glasses, each containing $\frac{1}{10}\ \ell$ of lemonade, could Jeremy pour the lemonade into?

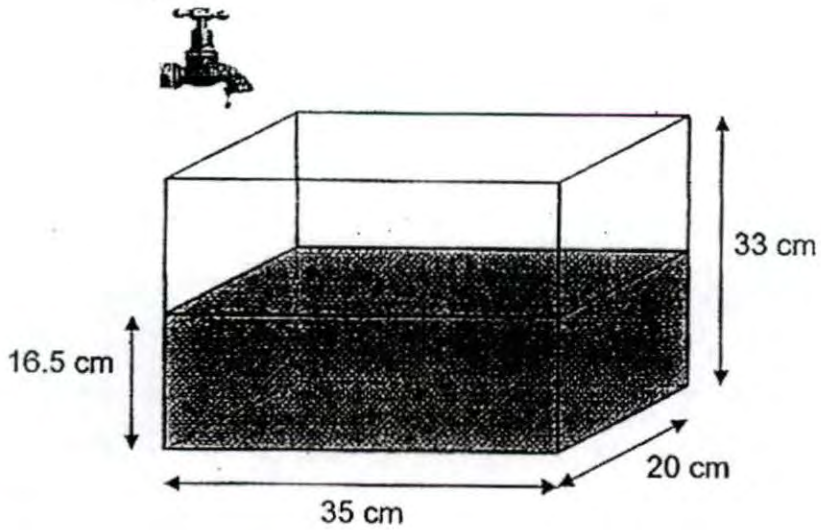
(b) How much lemonade was left? Give your answer in ℓ.

Ans : (a) _____ [3]

(b) _____ [2]

17. A rectangular tank, 35 cm long, 20 cm wide and 33 cm high, contains some water to a height of 16.5 cm. Then water from a tap flows into the tank at 0.77 ℓ per minute. How long will it take to fill the tank until it is $\frac{4}{5}$ full?

Do not write in this space.



Ans: _____ [5]

18. Katnisia bought 250 pomelos. She threw 10% of the pomelos away as they were rotten. She sold $\frac{3}{5}$ of the remaining pomelos at \$6 each and the rest at 3 for \$16. How much did she collect altogether from the sale of the pomelos?

Do not write in this space.

Ans: _____ [5]

End of Paper 2

EXAM PAPER 2015

SCHOOL : CHIJ

SUBJECT : P6 MATHEMATICS

TERM : CA1

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

16)33 17)91 18)5.18 19)5/18 20)9/20

21)(45 – k /2)cm 22)1 h 45 min 23)201m 24)24

25)cooler storage 26)32 27)1/14 28)30°

29)64 30)48°

Paper 2

1)35 x 18 x 24 = 15120

35 x 18 x 5 = 3150

15120 – 3150 = 11970cm_3

2)60 + 50 = 110

110 – 40 / 2 = 35

35 + 40 = 75

75 – 60 = 15

15/50 x 100 = 30%

3)5 x 4 = 20

20 ÷ (2+3) = 4

4 x 2 = 8

8 – 3 = 5

4)1/5h → 60 ÷ 5 = 12

12 ÷ 3 = 4

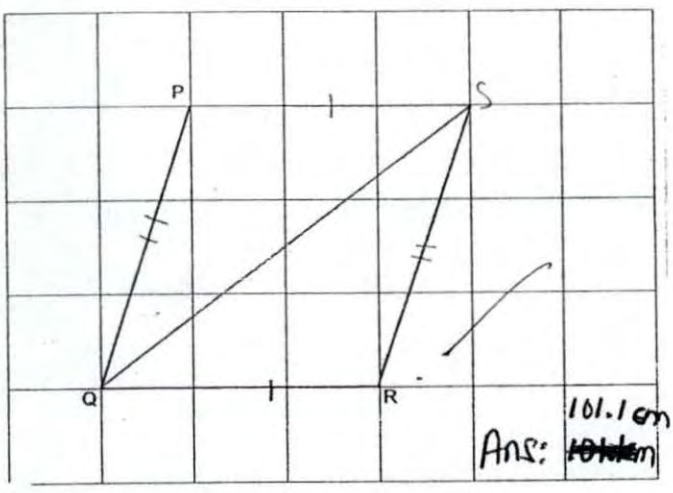
4 x 7 = 28 min

5) ∠QSR → 180 – 114 = 66

∠ RQU → 180 – 66 – 30 = 84

360 – 84 – 66 – 114 = 96°

6)



Ans: 101.1 cm

7)a)4 x $2 = $8

$8 + $12 = $20

$20 + $6 x w = $20 + $6w

= $(20+6w)

b)6 x 5 = 30

$20 + $30 = $50

8)Tuesday---5days----------Saturday

456 x 5 = 2280

2280 x 2 = 4560

4560 + 2280 + 104 = 6944

9)2 x 20c = 40c

$8.50 – $0.40 = $8.10

$8.10 ÷ ($0.20 + $0.10) = 27

27 x 2 + 2 = 56

10)10h 34min = (10x60) + 34 = 634 min

634 – 100 = 534

534 x $0.02 = $10.68

$10.68 + $27.90 = $38.58

11)90 – 12 = 78

78 ÷ (14+9+16) = 2

16 – 14 = 2

2 x 2 = 4

12)133 ÷ 35 = 3.8

3.8 x 4 = 15.2

250 – 15.2 = $234.8

13)a)5 – 3 = 2

66 ÷ 2 = 33

33 x (3+2) = 165

b)165 ÷ 3 = 55

55 x 7 = 385

5/11 x 385 = 175

175 + 66 = 241

14)180 – 90 – 26 – 8 = 56

56 x 2 = 112

180 – 112 = 68°

15) ½ x ¾ = 3/8

¾ - 3/8 = 3/8

78 x 2 = 156

156 ÷ 3 = 52

52 x 4 = 208

360 – 208 = 152

152 + 52 = 204

16)a) ¾ + 7/8 = 1 5/8

1 5/8 – 4/5 = 33/40

33/40 ÷ 1/10 = 8¼

b) ¼ x 1/10 = 1/40

17)33 x 20 x 35 = 23100

4/5 x 23100 = 18480

35 x 20 x 16.5 = 11550

18480 – 11550 = 6930

6930cm_3 = 6.936

6.936 ÷ 0.77 = 9 minutes

18)10/100 x 250 = 25

250 – 25 = 225

3/5 x 225 = 135

135 x $6 = $810

225 – 135 = 90

90 ÷ 3 = 30

30 x $16 = $480

$480 + $810 = $1290