

Name : \_\_\_\_\_ ( )

Class : Primary 4

**CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)**



**Primary 4 Mathematics**

**2017 Semestral Assessment Two**

**Booklet A**

**25 October 2017**

**TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES**

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

*This booklet consists of 10 printed pages including the cover page.*

**Section A: (19 x 2 marks)**

**For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.**

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1. The value of the digit 9 in 74 291 is \_\_\_\_\_.

- (1) 90
- (2) 900
- (3) 9000
- (4) 90 000

2. 48 152 rounded to the nearest hundred is \_\_\_\_\_.

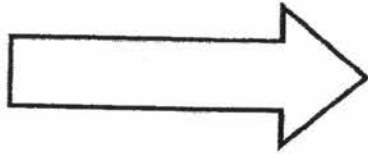
- (1) 48 000
- (2) 48 100
- (3) 48 150
- (4) 48 200

3. Which one of the following is 30 less than 2937?

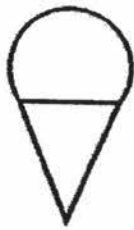
- (1) 2907
- (2) 2917
- (3) 2940
- (4) 2967

4. Which one of the following figures does not have a line of symmetry?

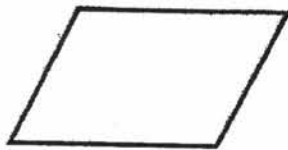
(1)



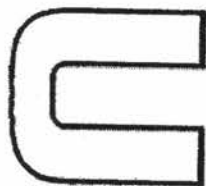
(2)



(3)



(4)



5. How many one-quarters are there in 3 wholes?

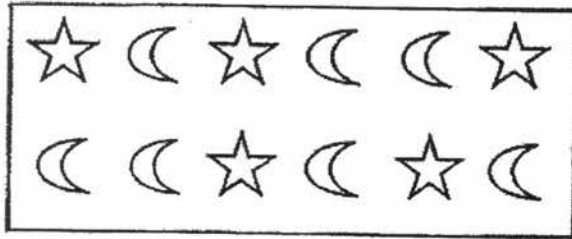
(1)  $\frac{3}{4}$

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

(3) 12

(4) 4

6. What fraction of the shapes in the box are  ?



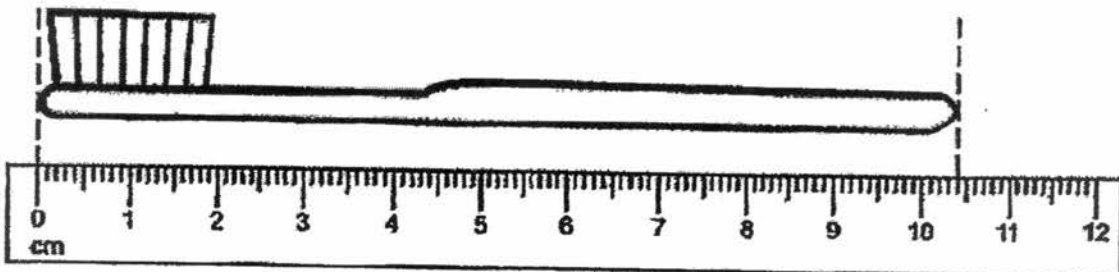
(1)  $\frac{5}{7}$

(2)  $\frac{5}{12}$

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

(4)  $\frac{7}{12}$

7. In the figure below, what is the length of the toothbrush in cm?



(1) 10.4 cm

(2) 10.6 cm

(3) 11.4 cm

(4) 11.6 cm

8. What is  $\frac{20}{1000}$  expressed as a decimal?

- (1) 20.2
- (2) 0.2
- (3) 0.020
- (4) 0.002

9. The table below shows the wait time before the start of 4 animal shows at a theatre in the zoo.

Show	Wait Time
Flying Friends	30 min
Safari Hunters	55 min
Splash!	1 h 5 min
The World of Pets	1 h 25 min

Jaclyn started queueing at the theatre at 10 20 and entered at 11 15.  
Which animal show did she watch?

- (1) Flying Friends
- (2) Safari Hunters
- (3) Splash!
- (4) The World of Pets

10. Which one of the following is a factor of both 40 and 56?

(1) 5

(2) 7

(3) 8

(4) 9

11. Mrs Tay had some balloons. She packed the balloons equally into 9 bags. After packing, there were 5 balloons left. Which one of the following is not a possible number of balloons Mrs Tay had?

(1) 122

(2) 131

(3) 140

(4) 195

12.  $\frac{1}{3} + \frac{1}{9} =$  \_\_\_\_\_

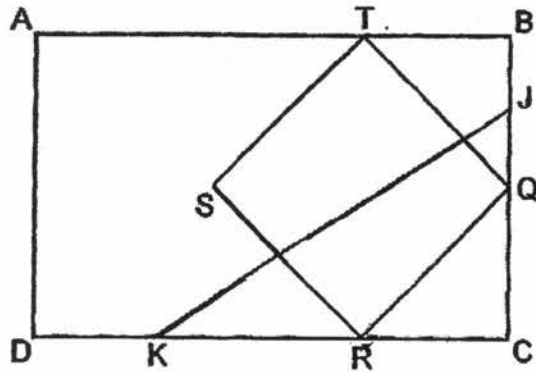
(1)  $\frac{1}{27}$

(2)  $\frac{2}{9}$

(3)  $\frac{2}{12}$

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

13. In the figure below, which line is perpendicular to Line RS and parallel to Line QR?



- (1) Line AD
  - (2) Line JK
  - (3) Line ST
  - (4) Line TQ
14. Which one of the following numbers is 1.2 less than 3.04?

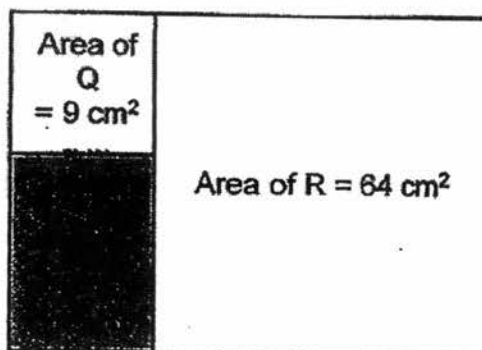
- (1) 1.76
- (2) 1.84
- (3) 2.02
- (4) 2.24

15. The table below shows the ingredients needed to make 2 jars of strawberry jam.

Ingredient	Amount
Strawberry	2.4 kg
Sugar	0.58 kg
Lemon	2

Rahinda wanted to make 6 jars of strawberry jam. How much sugar would she need?

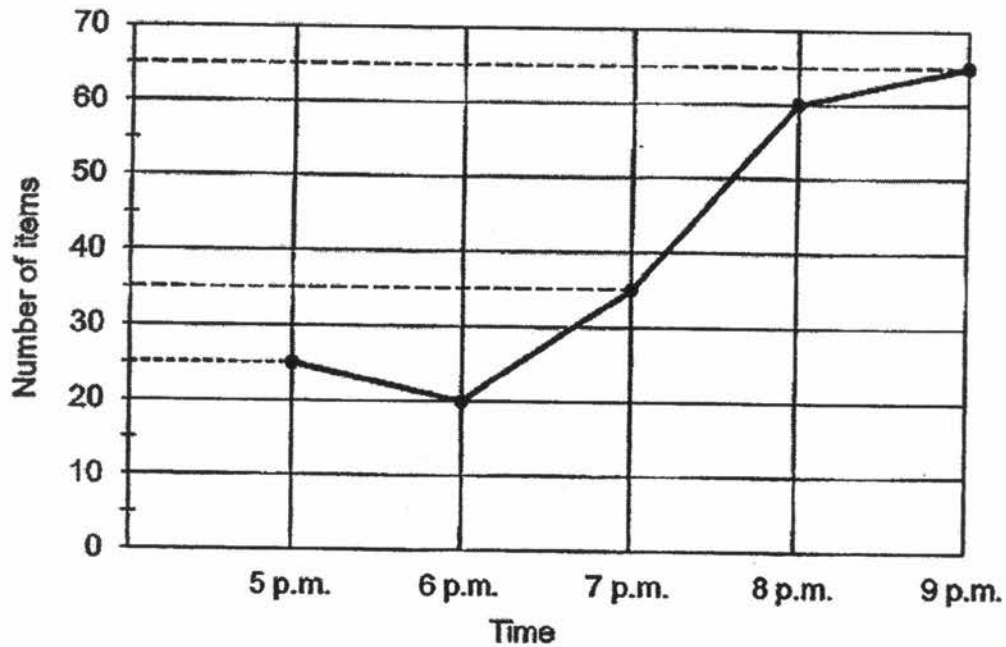
- (1) 1.16 kg  
(2) 1.74 kg  
(3) 2.32 kg  
(4) 3.48 kg
16. The figure below is made up of 2 squares, Q and R. What is the area of the shaded part?



- (1)  $15 \text{ cm}^2$   
(2)  $24 \text{ cm}^2$   
(3)  $25 \text{ cm}^2$   
(4)  $35 \text{ cm}^2$



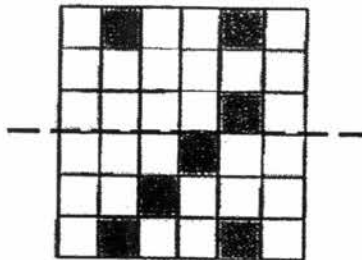
The graph below shows the number of items sold on an online shop from 5 p.m. to 9 p.m. Use the graph to answer Questions 17 and 18.



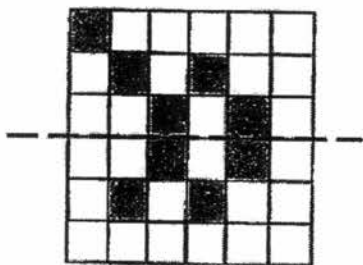
17. What was the difference between the least number and most number of items sold?
- (1) 30
  - (2) 40
  - (3) 41
  - (4) 45
18. What time was the increase in the sales the greatest?
- (1) From 5 p.m. to 6 p.m.
  - (2) From 6 p.m. to 7 p.m.
  - (3) From 7 p.m. to 8 p.m.
  - (4) From 8 p.m. to 9 p.m.

19. Mingjie wants to add 2 more unit squares to a figure to make it symmetric. Which one of the following figures should he add the unit squares to?

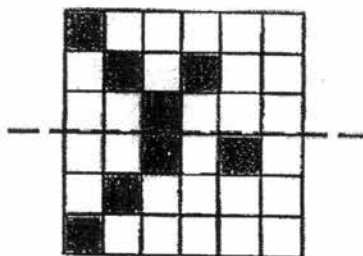
(1)



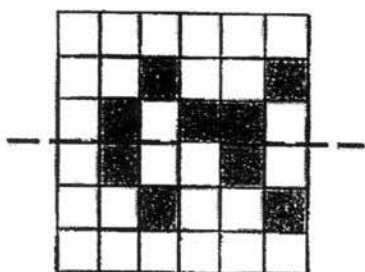
(2)



(3)



(4)



- END OF BOOKLET A -

Name : \_\_\_\_\_ ( )

Class : Primary 4 \_\_\_\_\_

**CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)**



**Primary 4 Mathematics**

**2017 Semestral Assessment Two**

**Booklet B**

**25 October 2017**

<b>Booklet A :</b>	<b>/ 38</b>
<b>Booklet B :</b>	<b>/ 62</b>
<b>Total :</b>	<b>/ 100</b>

\_\_\_\_\_  
Parent's/Guardian's Signature

**TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES**

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Answer all questions.

*This booklet consists of 15 printed pages including the cover page.*

**Section B: (20 x 2 marks)**

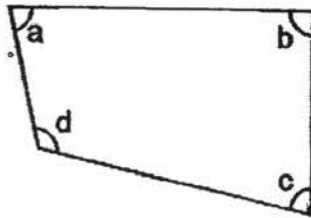
**Write down your answers in the spaces provided. For questions which require units, give your answers in the units stated. Show all workings clearly.**

Do not  
write in  
this space

20. Write twenty-one thousand and sixty-three in figures.

Ans : \_\_\_\_\_

21. In the figure, one of the angles is a right angle Name the angle.



Ans :  $\angle$  \_\_\_\_\_

22. Write  $2\frac{6}{7}$  as an improper fraction.

Ans : \_\_\_\_\_



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23.  $0.1 = \frac{1}{\boxed{?}}$

What is the missing number in the box?

Ans : \_\_\_\_\_

24. The table below shows the number of times 4 children skipped during a rope skipping competition.

Name	Number of Times
Emily	23
Keith	12
Pei Ting	32
Zeliang	?
<b>Total</b>	<b>79</b>

How many times did Zeliang skip?

Ans : \_\_\_\_\_

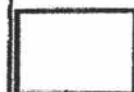
25. Look at the statements below.  
Compare the 2 statements in each question and tick the one that is likely to be the timing taken.

(a)

Statements	Tick (✓)
My classmate ran 100 m in 5 seconds.	
My classmate ran 100 m in 14 seconds.	

(b)

Statements	Tick (✓)
My classmate finished drinking 100 ml of milk in 20 seconds.	
My classmate finished drinking 100 ml of milk in 1 second.	



26. The clock in Jiawen's house is 15 minutes fast. The clock below shows the time on the clock when Jiawen woke up in the morning.

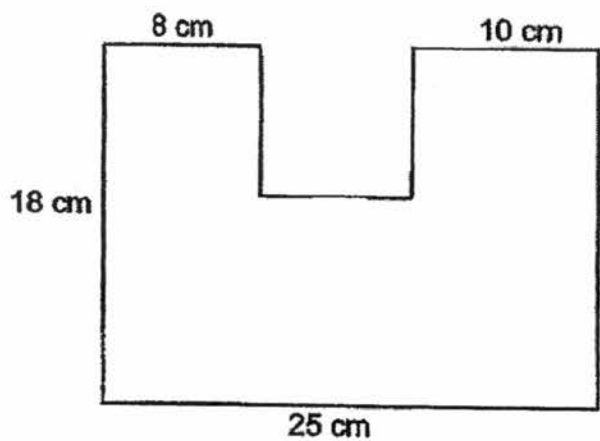
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What was the actual time Jiawen woke up?  
Express your answer using the 24-hour clock.

Ans : \_\_\_\_\_

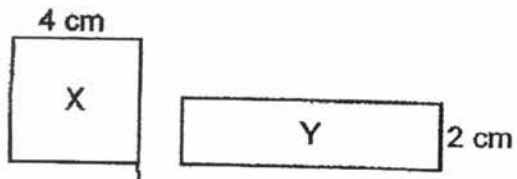
27. What is the perimeter of the figure shown below? (Note : All the lines meet at right angles)



Ans : \_\_\_\_\_ cm



28. Look at the figures below. Square X and Rectangle Y have the same area. Find the perimeter of Rectangle Y.



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Ans : \_\_\_\_\_ cm

29. Find the value of  $6.24 \times 8$ .

Ans : \_\_\_\_\_

30. Arrange the following numbers from the smallest to the greatest.

Ans : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(smallest) (greatest)



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31. Xiaoyin had \$100. After spending some money on 7 identical mugs, she had \$13.90 left. How much did each mug cost?

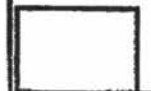
Ans : \$ \_\_\_\_\_

32. Find the value of  $1 - \frac{1}{4} - \frac{5}{8}$ .

Ans : \_\_\_\_\_

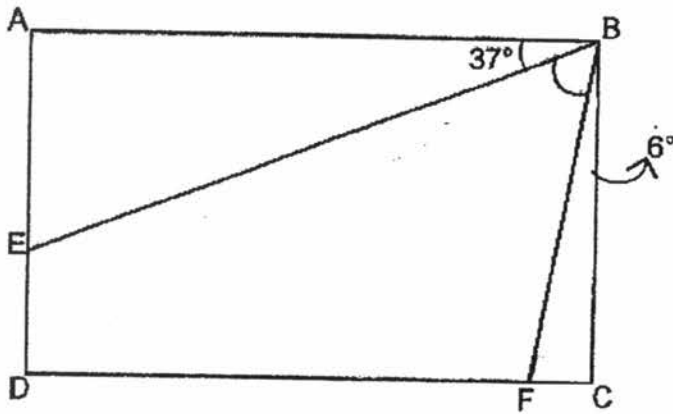
33. On Monday, Mrs Wong took  $\frac{2}{3}$  h to paint a wall. She took  $\frac{4}{5}$  h on Tuesday to paint the same wall. What was the total time Mrs Wong took to paint the wall on Monday and Tuesday? Leave your answer as a mixed number in the simplest form.

Ans : \_\_\_\_\_ h





34. The figure below shows a rectangle ABCD. Find  $\angle EBF$ .



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Ans : \_\_\_\_\_ °

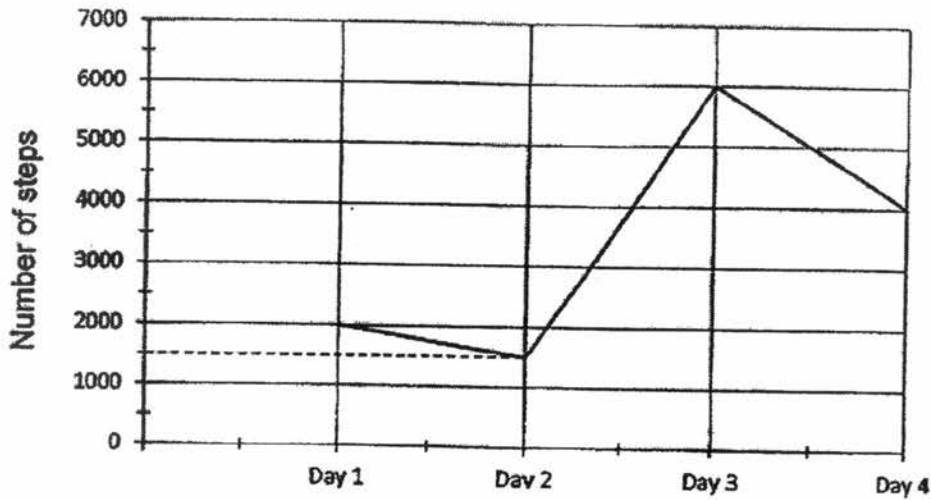
35. What is the missing number in the number pattern below?

24 500 , 24 100 , 23 700 , 23 300 ,  , 22 500

Ans : \_\_\_\_\_

The graph below shows the number of steps Jim walked from Day 1 to Day 4. Use the graph to answer Questions 36 and 37.

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36. How many steps did Jim walk altogether in the 4 days?

Ans : \_\_\_\_\_

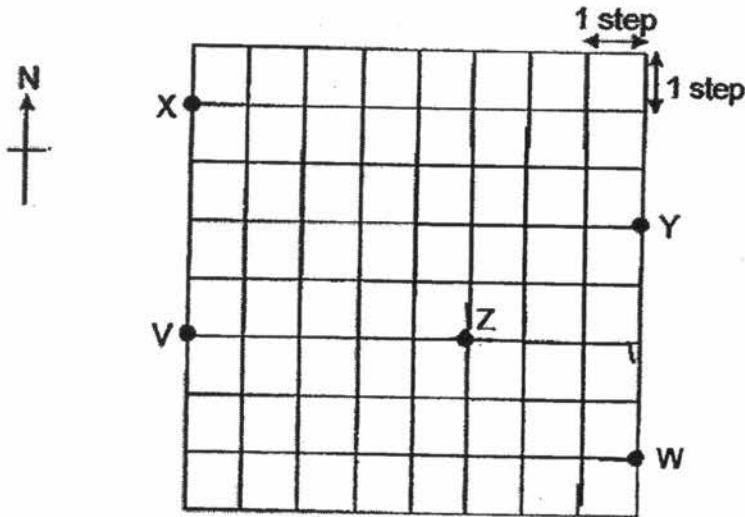
37. On which day did Jim walk twice as many steps as on Day 1?

Ans : Day \_\_\_\_\_



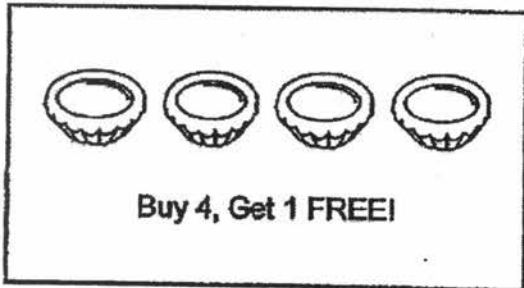
38. Tracie was walking out of a maze at a carnival. She started from Point Z. She walked 3 steps to the north, then 2 steps to the east. She continued 5 steps to the south. She finally exited the maze after taking 1 step to the east. Where was the exit point of the maze?

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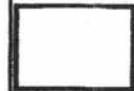


Ans : Point \_\_\_\_\_

39. Winsy wanted to get 30 tarts. How many tarts did she need to



Ans : \_\_\_\_\_



**Section C: (22 marks)**

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Solve the following problems. All mathematical working and statements must be shown clearly.

40. The figures below are made up of squares. The figures follow a pattern. Study the pattern.



Figure 1

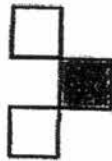


Figure 2

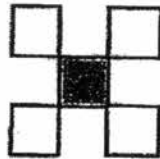


Figure 3

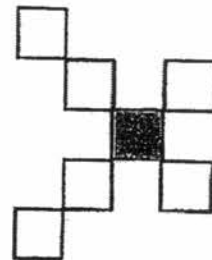
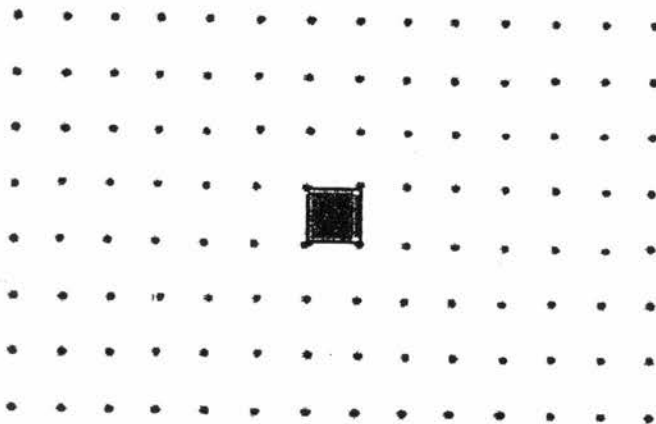


Figure 4

- a) Complete Figure 5 below. [ 1 ]



- b) How many unshaded squares are there in Figure 10?

Ans : (b) \_\_\_\_\_ [2]



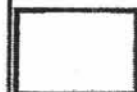
41. Mr Pang had some apples at his fruit stall. He sold  $\frac{6}{11}$  of the apples.  
He had 90 apples left.

- a) How many apples did he sell?
- b) How many apples did he have at his fruit stall at first?

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Ans : a) \_\_\_\_\_ [2]

b) \_\_\_\_\_ [1]



42. Georgia and Helen saved \$6200 altogether. Georgia saved four times as much as Helen. Kelly saved \$456 more than Helen.

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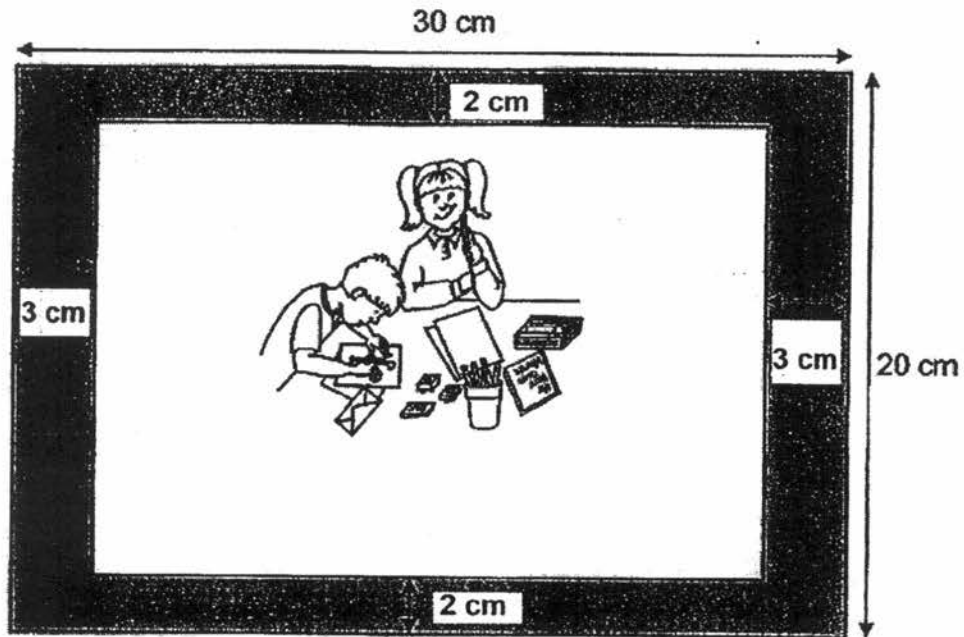
- a) How much money did Georgia save?
- b) Kelly saved the same amount for 2 months. How much money did she save altogether?

Ans : a) \_\_\_\_\_ [2]

b) \_\_\_\_\_ [2]

43. Mdm Ng bought a rectangular photo frame. She placed her grandchildren's photograph in the middle of the frame as shown below. Find the area of the frame that was not covered by the photograph.

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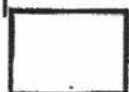
Ans : \_\_\_\_\_ [4]



44. 3 cups and 3 spoons cost a total of \$19.20. Each cup costs \$2.70 more than each spoon. How much does each spoon cost?

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Ans : \_\_\_\_\_ [ 4 ]





45. Emma had 4 times as many beads as Benita at first. After Emma gave 60 beads to Benita, both of them had the same number of beads. How many beads did each of them have at first?

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Ans : Emma : \_\_\_\_\_ [2]

Benita : \_\_\_\_\_ [2]

**\*\*END OF PAPER\*\***

EXAM PAPER 2017 (P4)

SCHOOL : CHIJ

SUBJECT : MATHEMATICS

TERM : SA2

ORDER CALL :

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	4	1	3	3	2	1	3	2	3
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	
4	4	3	2	2	1	4	3	3	

20)21063      21)b      22)20/7      23)10      24)12 times

25)a)My classmate ran 100 m in 14 seconds.

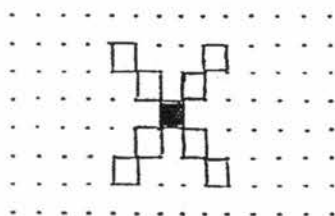
b)My classmate finished drinking 100ml of milk in 20 second.

26)0745      27)100 cm      28)20 cm      29)49.92

30)0.045 , 2/5 , 0.405      31)\$12.30      32)1/8      33)17/15 h

34)47°      35)22900      36)13500      37)4      38)W      39)24 tarts

40)a)



40)b)1,3,5,7,9,11,13,15,17,19

$$19 - 1 = 18$$

There are 18 unshaded squared

Figure 10.

41)a)  $11/11 - 6/11 = 5/11$

$90 \div 5 = 18$

$18 \times 5 = 108$

He sold 108 apples.

b)  $18 \times 11 = 198$

Mr Pang had 198 apples at his fruit stall at first.

42)a)  $\$6200 \div 5 = \$1240$

$\$1240 \times 4 = \$4960$

Georgia saved \$4960

b)  $\$1240 + \$456 = \$1696$

$\$1696 \times 2 = \$3392$

She saved \$3392 altogether

43)  $30\text{cm} \times 20\text{cm} = 600\text{cm}^2$

$3\text{cm} \times 2 = 6\text{cm}$

$30\text{cm} - 6\text{cm} = 24\text{cm}$

$2\text{cm} \times 2 = 4\text{cm}$

$20\text{cm} - 4\text{cm} = 16\text{cm}$

$24\text{cm} \times 16\text{cm} = 384\text{cm}^2$

$600\text{cm}^2 - 384\text{cm}^2 = 216\text{cm}^2$

The area is  $216\text{cm}^2$ .

44)  $\$2.70 \times 3 = \$8.10$

$\$19.20 - \$8.10 = \$11.10$

$\$11.10 \div 6 = \$1.85$

Each spoon cost \$1.85

45)  $60 \times 2 = 120$

$120 \div 3 = 40$

$40 \times 4 = 160$

Emma had 160 beads at first Benita had 40 beads at first.