Name: _____ ( )

Class : Primary 4_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2018 Semestral Assessment Two

Booklet A

23 October 2018

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 11 printed pages.

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.

---

1. 45 thousands and 8 tens is the same as _____.

   (1) 45 080

   (2) 45 008

   (3) 4580

   (4) 458

2. In which of the following are the numbers arranged from the smallest to the greatest?

(smallest)		*(greatest)*
(1) 2690,	2609,	2069
(2) 2069,	2690,	2609
(3) 2690,	2069,	2609
(4) 2069,	2609,	2690

3. 17 568 rounded to the nearest hundred is _____.

   (1) 17 500

   (2) 17 570

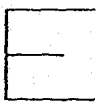
   (3) 17 600

   (4) 18 000

4. Which of the following figures has perpendicular lines?

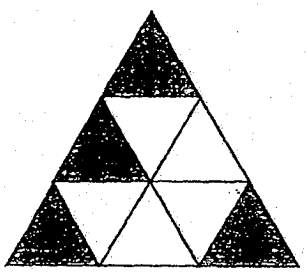
(1)

(2)

(3) 

(4)

5. The figure shown is made up of identical triangles.
What fraction of the figure is shaded?



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

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

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

(4) $\frac{5}{9}$

6. $7\frac{3}{8} = \frac{\square}{8}$

What is the missing number in the box?

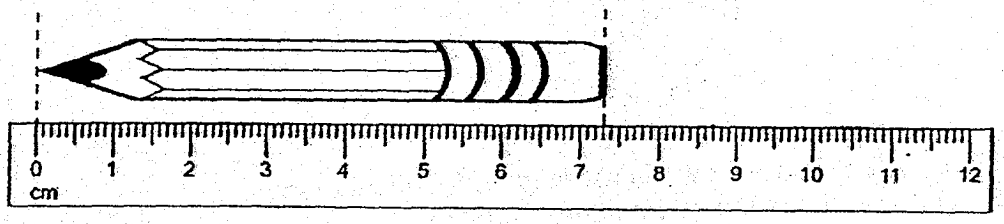
(1) 21

(2) 53

(3) 56

(4) 59

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



(1) 7.3

(2) 7.7

(3) 8.3

(4) 8.7

8. $20.28 \times 4 =$ _____

(1) 81.12

(2) 80.28

(3) 80.12

(4) 24.28

9. The opening hours of a restaurant are shown below. How long is the restaurant open each day?

Daily Opening Hours
11.00 a.m. to 3.00 p.m.
5.45 p.m. to 9.30 p.m.

(1) 3 h 45 min

(2) 4 h 15 min

(3) 7 h 45 min

(4) 10 h 30 min

10. Meiling and Jonathan have a total of 320 marbles. Meiling has 4 times as many marbles as Jonathan. How many marbles does Jonathan have?

(1) 64

(2) 80

(3) 240

(4) 256

11. Rashid used cut-outs of four different shapes to form a pattern. The first 9 shapes are shown below. What was the 63rd shape?

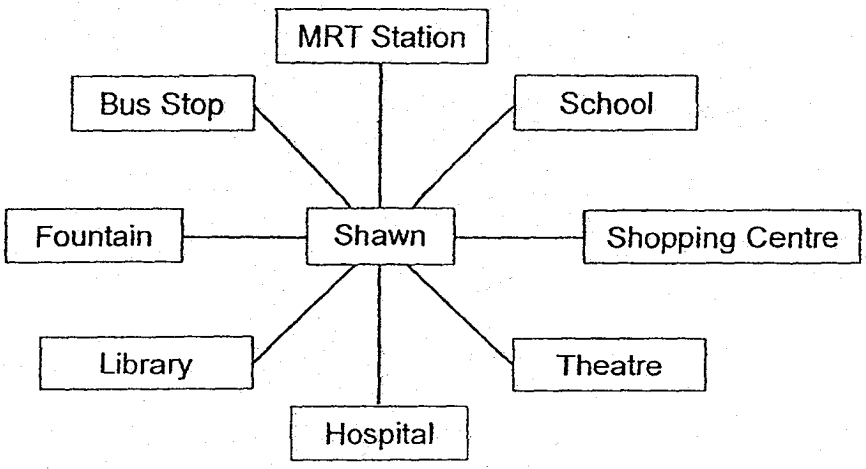
(1)

(2)

(3)

(4)

12. In the figure below, Shawn was facing the fountain at first. He turned 225° in an anti-clockwise direction. Where will he be facing in the end?



(1) Theatre

(2) School

(3) Hospital

(4) Bus Stop

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

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

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

(3) 12

(4) 4

14. Melissa bought 5 m of ribbon to tie 2 similar presents. She used 1.36 m of the ribbon to tie each present. What was the length of the ribbon left?

(1) 1.82 m

(2) 2.28 m

(3) 2.72 m

(4) 3.64 m

15. The total mass of a twenty-cent coin and a one-dollar coin is 13.16 g. The one-dollar coin is 4.78 g heavier than the twenty-cent coin. What is the mass of the twenty-cent coin?

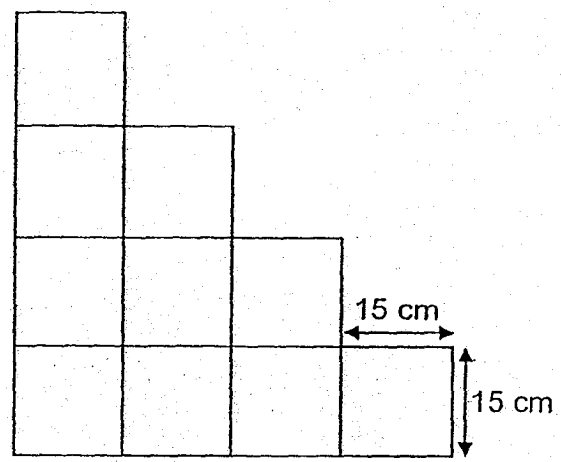
(1) 4.19 g

(2) 6.58 g

(3) 8.38 g

(4) 8.97 g

16. The figure below is made up of 10 identical squares.
Find the area of the figure.



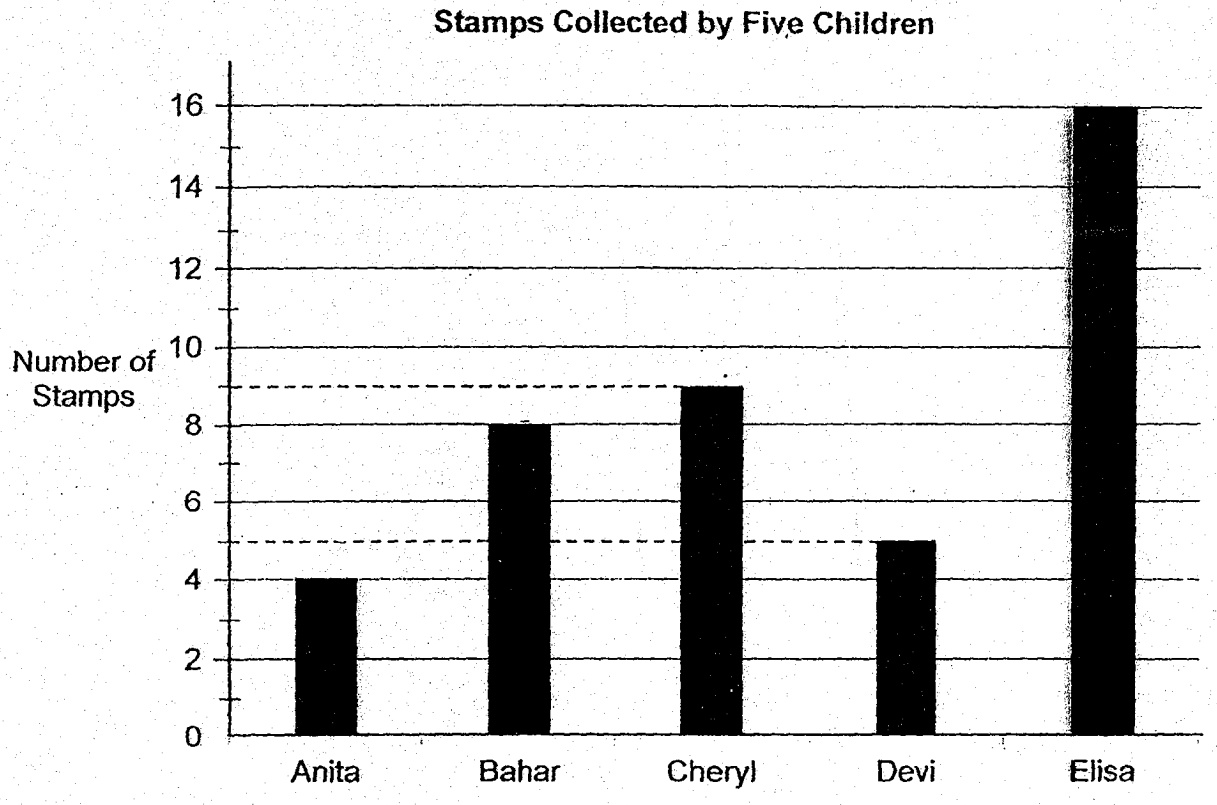
(1) 150 cm^2

(2) 225 cm^2

(3) 1500 cm^2

(4) 2250 cm^2

Use the information in the bar graph to answer questions 17 and 18.
The graph shows the number of stamps collected by five children.



17. Who collected twice as many stamps as Bahar?

(1) Elisa

(2) Devi

(3) Cheryl

(4) Anita

18. Which two children collected 14 stamps altogether?

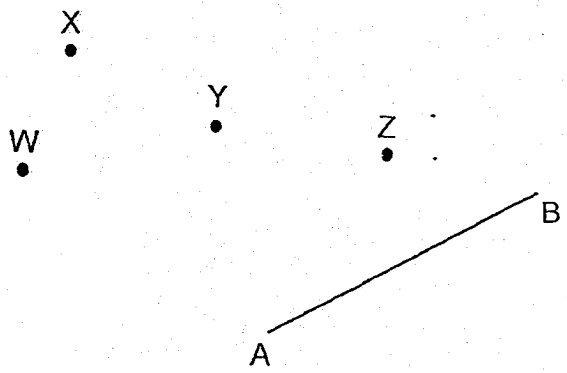
(1) Bahar and Cheryl

(2) Bahar and Elisa

(3) Cheryl and Devi

(4) Cheryl and Elisa

19. The figure below shows a line AB and 4 points, W, X, Y and Z.
Which point will form an angle greater than 45° but smaller than 90° at point A?



(1) W

(2) X

(3) Y

(4) Z

End of Booklet A

Name: _____ ( )

Class : Primary _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2018 Semestral Assessment Two

Booklet B

23 October 2018

Booklet A :	**/ 38**
Booklet B :	**/ 62**
Total :	**/ 100**

_____

Parent's/Guardian's Signature

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 17 printed pages.

Section B: (20 x 2 marks)

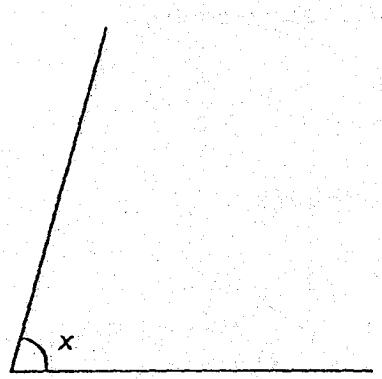
Do not write in this space

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

20. Write sixty thousand and eighty-one in figures.

Ans : _____

21. Measure and write down the size of $\angle x$.



Ans : _____ °

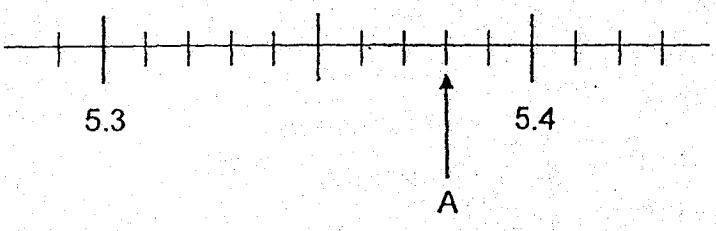
Do not write in this space

22. Which two fractions below are smaller than $\frac{1}{2}$?

$$\frac{2}{3} \quad , \quad \frac{3}{7} \quad , \quad \frac{4}{9} \quad , \quad \frac{7}{8}$$

Ans : _____ and _____

23. Write the decimal represented by A.



Ans : _____

24. The table below shows the 4 different types of CCA that 225 children participated in. Each child participated only in one CCA.

Do not write in this space

Type of CCA	Number of Children
Basketball	?
Gymnastics	73
Chinese Dance	59
Brownies	52

How many children participated in Basketball?

Ans : _____

25. The table below shows a selection of cartoon programmes on television.

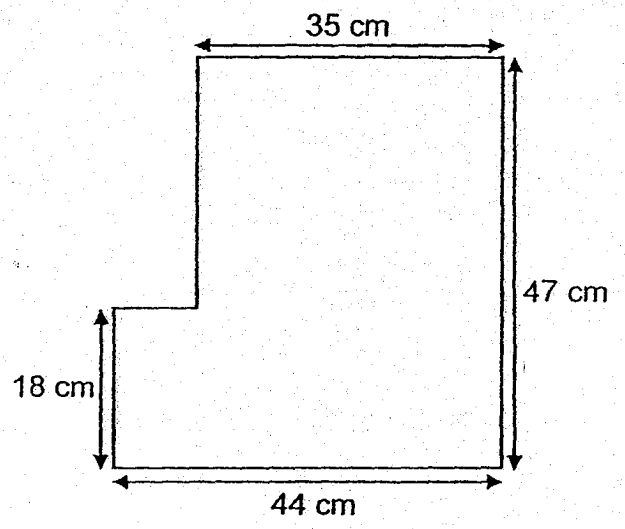
Time	Start Time
07 00 – 08 30	Wink Club
08 30 – 09 45	Power Reindeers
09 45 – 10 30	Pepper Pig
10 30 – 11 05	Laura and Friends

Michelle is allowed to watch the television for only 40 minutes. Which cartoon programme can she watch from the start to the end?

Ans : _____

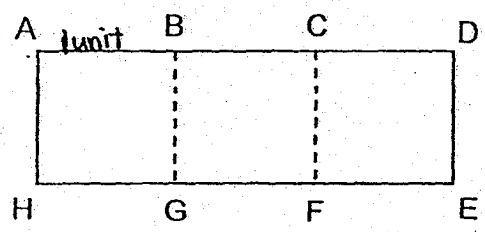
Do not write in this space

26. What is the perimeter of the figure below? All the lines meet at right angles.



Ans : _____ cm

27. Rectangle ADEH is made up of three identical squares. The perimeter of ADEH is 80 cm. Find the area of the square ABGH.



Ans : _____ cm^2

28. Azlina's watch was 25 minutes slow. She took 40 minutes to travel from her house to the park. When she reached the park, her watch showed 14 55. What was the actual time she left her house? Express your answer in 24-hour clock.

Do not write in this space

Ans : _____

29. Round 15.79 to the nearest whole number.

Ans : _____

30. Express $\frac{29}{100}$ as a decimal.

Ans : _____

31. Zachary bought 10 curry buns and sardine buns altogether. Each curry bun cost $0.90 and each sardine bun cost $1.10. He spent $10.40 on the buns. How many sardine buns did he buy?

Do not write in this space

Ans : _____

32. $\frac{3}{8} = \frac{12}{\square}$

What is the missing number in the box?

Ans : _____

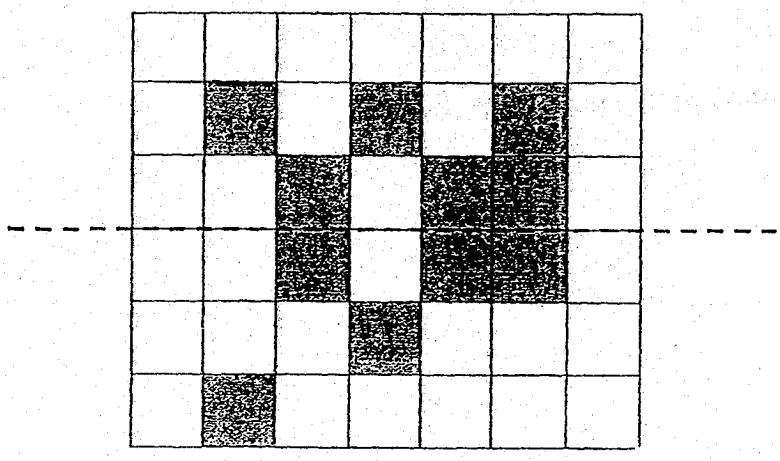
Do not write in this space

33. What is the value of $\frac{7}{9} + \frac{2}{3}$?

Express your answer as a mixed number.

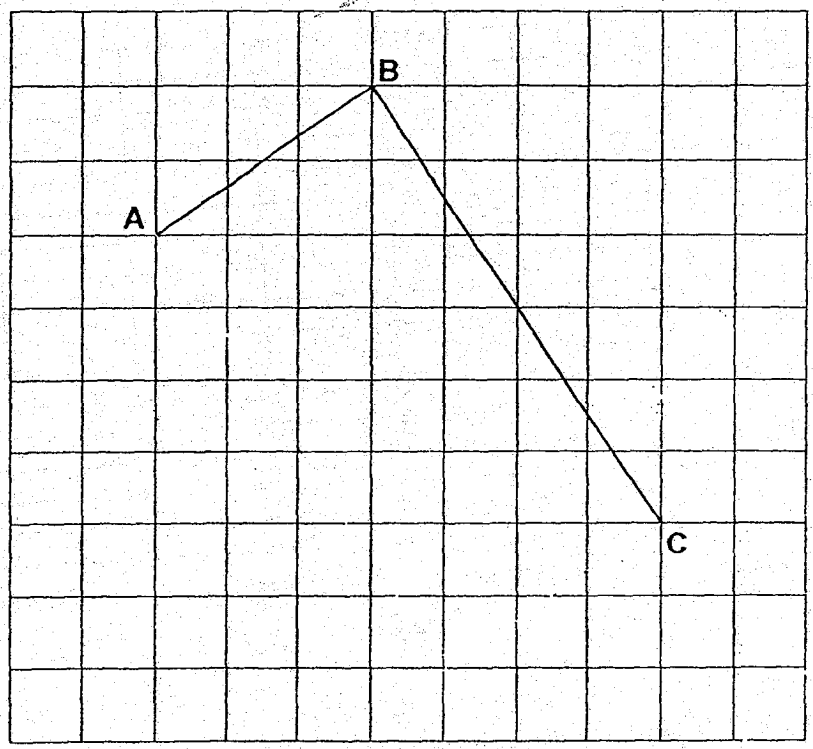
Ans : _____

34. In the figure below, the dotted line is the line of symmetry. Shade **3 more** squares to make the figure symmetric.



35. AB and BC are two sides of a rectangle. Complete the rectangle ABCD by drawing the other two sides in the square grid below. Label the rectangle ABCD.

Do not write in this space



Study the line graph and answer questions 36 and 37.
The line graph below shows the number of books borrowed from a library over four days.

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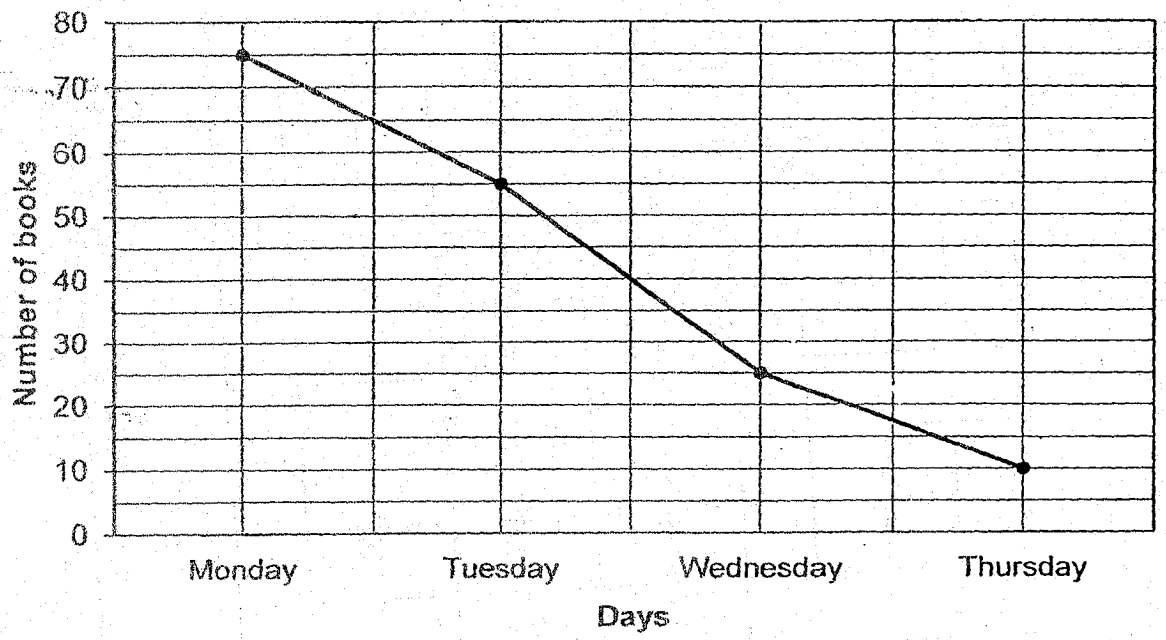
Number of books borrowed from a library



36. How many more books were borrowed on Tuesday than on Wednesday?

Ans : _____

37. How many books were borrowed in the four days altogether?

Ans : _____

38. Some factors of 42 are 1, 2, 3, 7, 21 and 42. What are the other two factors of 42?

Do not write in this space

Ans : _____ and _____

39. There are 3 rows of dancers. Every row has 9 more dancers than the row in front of it. There are 117 dancers altogether in the 3 rows. How many dancers are there in the first row?

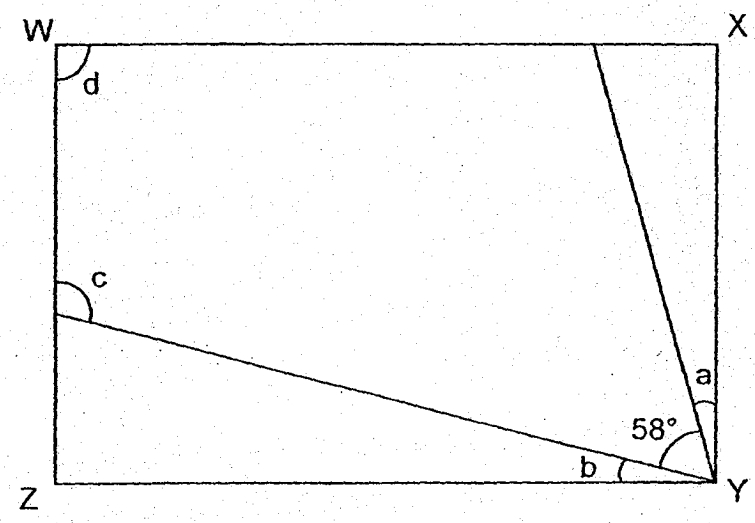
Ans : _____

Section C: (22 marks)

Do not write in this space

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

40. In the figure below, WXYZ is a rectangle.



(a) Each statement below is either true or false. For each statement, put a tick (✓) in the correct column.

Statement	True	False
∠d is a right angle.		
∠c is an obtuse angle.		

[1]

(b) ∠a = ∠b. Find ∠a.

Ans : (b) _____ [2]

41. Jasmine spent $\frac{1}{6}$ of her salary on food and \$90 on transport. She saved the remaining \$930.

(a) How much did she spend on food?

(b) How much was Jasmine's salary?

Do not write in this space

Ans : (a) _____ [2]

(b) _____ [1]

42. The total mass of a basket containing 2 similar pineapples and 2 similar oranges was 2.23 kg. When a pineapple and an orange were removed from the basket, the total mass became 1.18 kg. What was the mass of the empty basket?

Do not write in this space

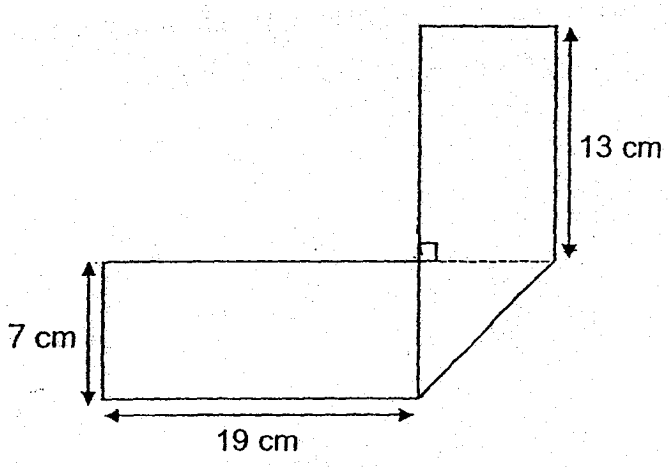
Ans : _____ [4]

43. There were 132 more cookies on Tray A than Tray B. 116 cookies were transferred from Tray B to Tray A. Tray A then had 3 times as many cookies as Tray B. How many cookies were there on Tray A at first?

Do not write in this space

Ans : _____ [4]

44. A rectangular piece of paper is folded to form the figure shown below.



(a) What is the length of the rectangular piece of paper before it is folded?

(b) What is the area of the rectangular piece of paper before it is folded?

Ans : (a) _____ [2]

(b) _____ [2]

Do not write in this space

Do not write in this space

45. Henry used grey and white tiles to make figures as shown below. The figures form a pattern.

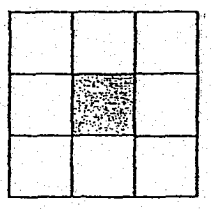


Figure 1

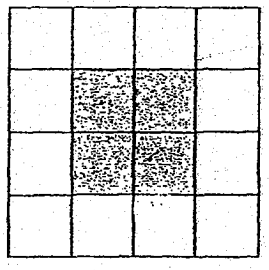


Figure 2

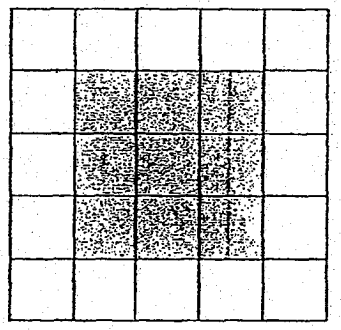


Figure 3

(a) Complete the table below.

Figure	Number of grey tiles	Number of white tiles	Total number of tiles
1	1	8	9
2	4	12	16
3	9	16	25
4	16		

[2]

(b) Which figure has a total of 81 tiles?

Ans : (b) Figure _____ [2]

End of Paper

ANSWER KEY

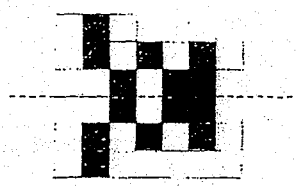
YEAR : 2018
LEVEL : PRIMARY 4
SCHOOL : CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)
SUBJECT : MATHEMATICS
TERM : SA2

BOOKLET A

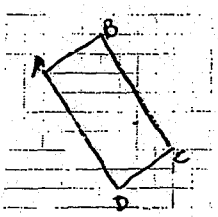
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	4	3	3	3	4	1	1	3	1
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	
3	2	3	2	1	4	1	3	3	

BOOKLET B

Q20) 60 081
Q21) 75°
Q22) $\frac{3}{7}$ *and* $\frac{4}{9}$
Q23) 5.38
Q24) 41
Q25) Laura and Friends
Q26) 182 cm
Q27) 100 cm^2
Q28) 1440
Q29) 16
Q30) 0.29
Q31) 7
Q32) 32
Q33) $1\frac{4}{9}$
Q34)



Q35)



Q36) 30
Q37) 165
Q38) 6 and 14
Q39) 30

SECTION C

Q40a)

Statement	True	False
$\angle d$ *is a right angle.*	✓	
$\angle c$ *is an obtuse angle.*	✓	

b) (16 °)

90 – 58 = 32

32 ÷ 2 = 16

Q41a) ($204)

90 + 930 = 1020

1020 ÷ 5 = 204

b) ($1224)

204 × 6 = 1224

Q42) (0.13 kg)

2.23 – 1.18=1.05

1.18-1.05=0.13

Q43) (430)

116 × 2 = 232

232 + 132 = 364

364 ÷ 2 = 182

182 + 116 = 298

298 +132 = 430

Q44)a) (39 cm)

19 + 7 = 26

26 + 13 = 39

b) (273 cm^2)

7 × 39 = 273

Q45)a)

Figure	Number of grey tiles.	Number of white tiles.	Total number of tiles.
4	16	20	36

b) (7)

81 = 9 × 9

9 – 2 = 7

THE END