NAN HUA PRIMARY SCHOOL

END OF YEAR EXAMINATION 2025

PRIMARY FOUR

MATHEMATICS

Time: 1 hour 30 minutes

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Use a 2B pencil to shade your answers for Questions 1 to 20 in the Optical Answer Sheet (OAS) provided.
6. Use dark blue or black ball point pen to write your answers in the space provided for each question.
7. Do not use correction tape/ fluid/ highlighter.
8. The use of calculators is **NOT** allowed.

Marks Obtained

Section	Maximum Marks	Actual Marks
A	40	
B	40	
C	20	
Total	100	

Name : _____ ( )

Form Class : 4_____ Teaching Group: 4M_____

Date : 30 October 2025 Parent's Signature: _____

This booklet consists of 22 printed pages.

Section A

Questions **1** to **20** 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) and shade your answer on the Optical Answer Sheet.

(40 marks)

1 Complete the number pattern.

8, 14, 20, _____, _____, 38

(1) 21, 22

(2) 21, 37

(3) 26, 27

(4) 26, 32

2 34 762 rounded to the nearest hundred is _____.

(1) 34 700

(2) 34 760

(3) 34 800

(4) 35 000

3 In 56.87, the digit _____ is in the tenths place.

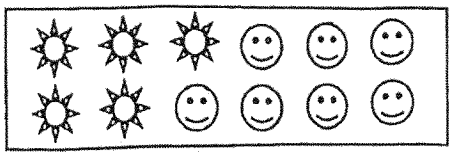
(1) 5

(2) 6

(3) 7

(4) 8

4 What fraction of the shapes are ☼?



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

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

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

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

5 Arrange these fractions from the smallest to the greatest.

$\frac{5}{9}$, $\frac{1}{2}$, $\frac{8}{9}$

(smallest) *(greatest)*

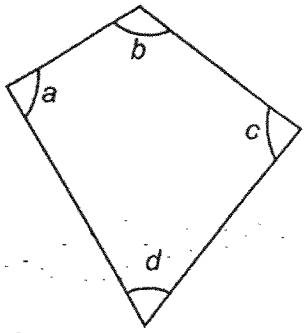
(1) $\frac{1}{2}$, $\frac{5}{9}$, $\frac{8}{9}$

(2) $\frac{5}{9}$, $\frac{1}{2}$, $\frac{8}{9}$

(3) $\frac{8}{9}$, $\frac{5}{9}$, $\frac{1}{2}$

(4) $\frac{5}{9}$, $\frac{8}{9}$, $\frac{1}{2}$

6 Which angle is smaller than a right angle?



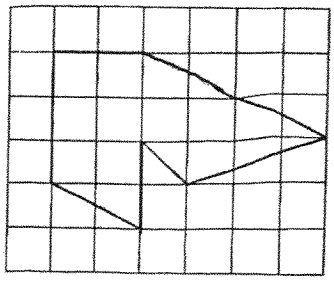
(1) $\angle a$

(2) $\angle b$

(3) $\angle c$

(4) $\angle d$

7 How many pair(s) of parallel lines are there in the figure below?



(1) 1

(2) 2

(3) 3

(4) 4

8 Mr Andrew bought 10 ℓ of paint. He used 0.55 ℓ of the paint on a door and 3.82 ℓ of the paint on the walls of a bedroom. How much paint had he left?

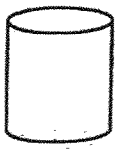
(1) 4.37 ℓ

(2) 5.63 ℓ

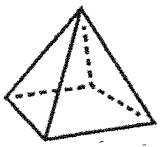
(3) 6.18 ℓ

(4) 6.37 ℓ

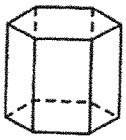
9 Which of the following geometric figures shows a cuboid?



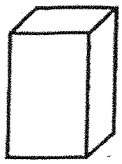
(1)



(2)



(3)



(4)

10 Macy had 5 m of string at first. She used $\frac{11}{12}$ m of string to make a kite. How much string did she have left?

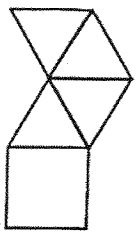
(1) $\frac{1}{12}$ m

(2) $\frac{11}{12}$ m

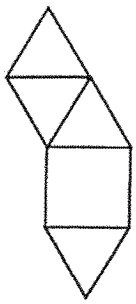
(3) $4\frac{1}{12}$ m

(4) $4\frac{11}{12}$ m

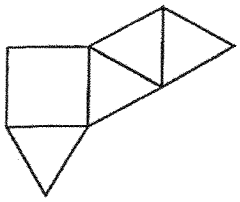
11 Which of the following is not a net of a pyramid?



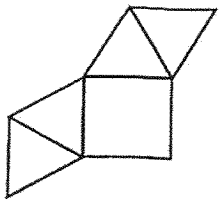
(1)



(2)

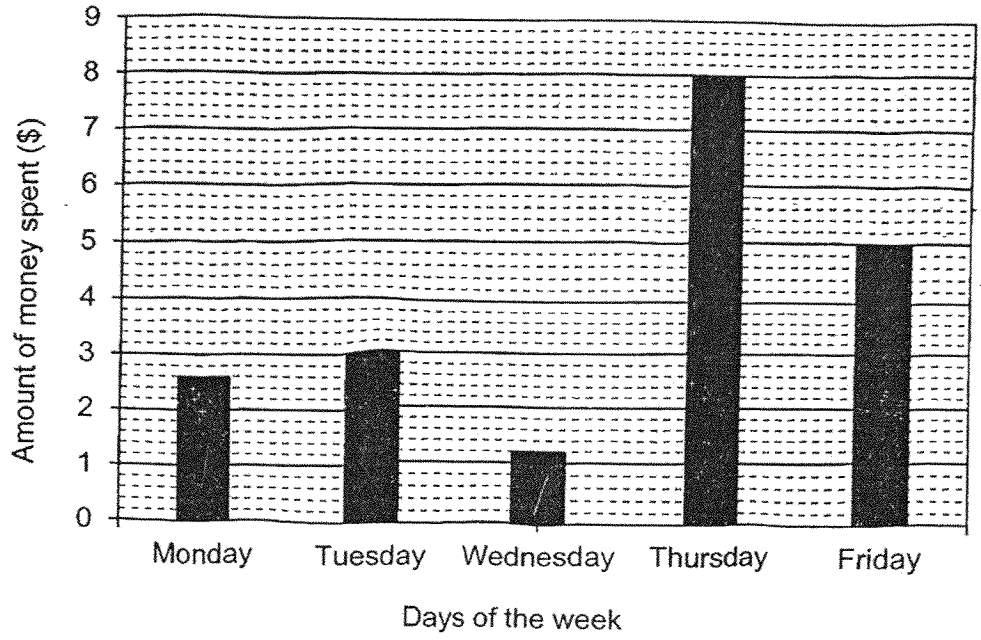


(3)



(4)

12 The following graph shows the amount of money spent by Janet from Monday to Friday. Study it carefully and answer Questions 12 and 13.



How much more money did Janet spend on Friday than on Wednesday?

(1) $3.80

(2) $3.90

(3) $4.80

(4) $4.90

13 Janet's weekly allowance was $40. How much had she left at the end of the week?

(1) $21.80

(2) $21.20

(3) $20.20

(4) $19.80

14 Mr Tan has some pencils. The number of pencils can be shared equally among 4 or 7 children without remainder. It has 8 as one of its factors. How many pencils does Mr Tan have?

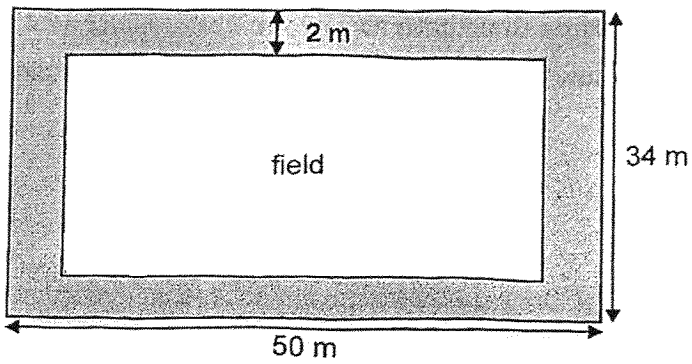
(1) 14

(2) 28

(3) 40

(4) 56

15 A field was built on a rectangular plot of land. The plot of land measured 50 m by 34 m. A 2 m wide pavement was built all around the field. What was the area of the pavement?



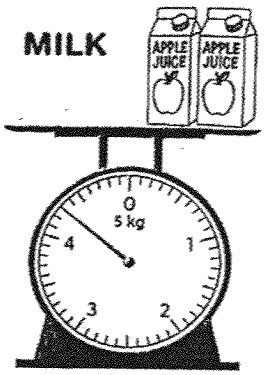
(1) 164 m^2

(2) 320 m^2

(3) 336 m^2

(4) 1380 m^2

16 The total mass of a bottle of milk and two identical cartons of apple juice is as shown in the diagram. The mass of the carton of milk is three times as heavy as one carton of apple juice. Find the mass of the carton of milk.



(1) 1075 g

(2) 1720 g

(3) 2580 g

(4) 3225 g

17 Alan and Brian had an equal number of marbles at first. After Alan bought 36 more marbles and Brian gave away 24 marbles, Alan had 4 times as many marbles as Brian. How many marbles did each of them have at first?

(1) 20

(2) 39

(3) 44

(4) 80

18 Mrs Tan has a piece of ribbon 4 m long. She cuts 5 equal pieces from the ribbon and has 75 cm left. What is the length of each of the 5 pieces of ribbon?

(1) 5 cm

(2) 65 cm

(3) 725 cm

(4) 785 cm

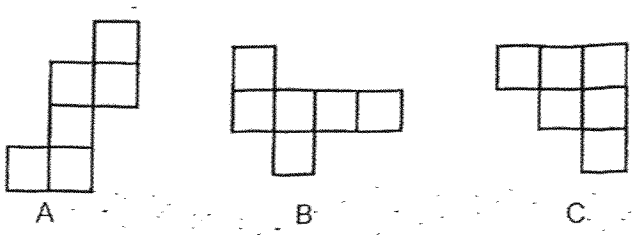
19 Which of the following are nets of a cube?

(1) A and B only

(2) A and C only

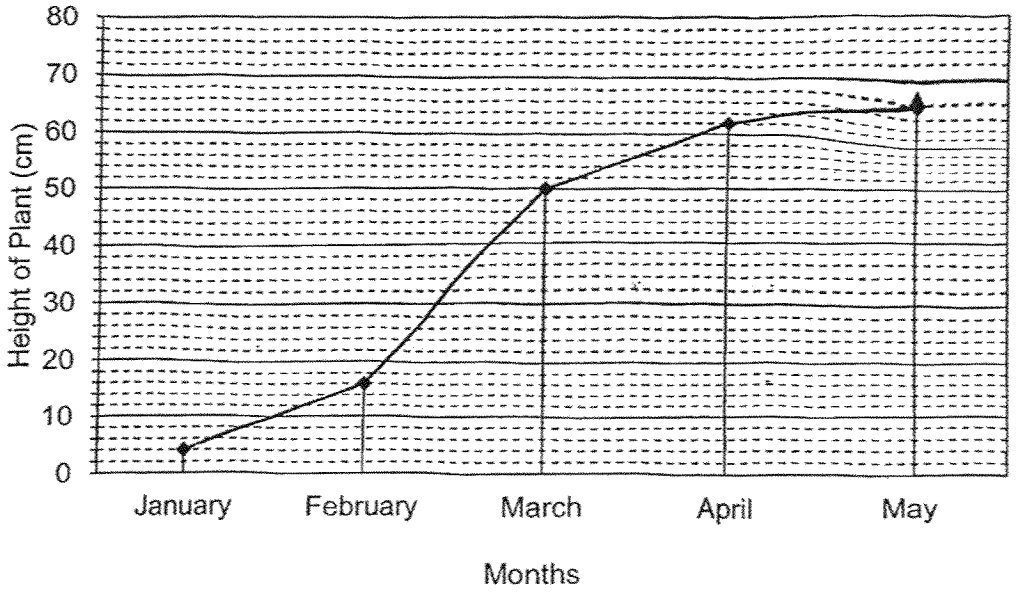
(3) B and C only

(4) A, B and C



20 Below is a graph that records the growth of a plant from January to May.

Study the graph and answer the question.



In which period was the increase in the plant's height the smallest?

(1) January to February

(2) February to March

(3) March to April

(4) April to May

Section B

Questions **21** to **40** 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.

(40 marks)

21 Write fifteen thousand and twenty-five in numerals.

Ans : _____

22 4729 + 1585 = _____

Ans : _____

23 Two factors of 10 are 1 and 10. What are the other two factors of 10?

Ans: _____ and _____

24 $\frac{5}{6} = \frac{\square}{12}$

What is the missing number in the box?

Ans : _____

Please do not write in the margin

25 $1 - \frac{1}{8} - \frac{1}{4} =$ _____

Ans: _____

26 Express $\frac{85}{100}$ as a decimal.

Ans: _____

27 4.36 + 2 = _____

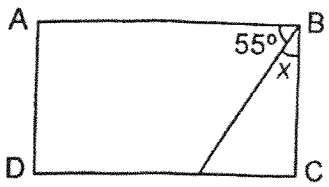
Ans: _____

28 Find the value of 2.63 x 8.

Ans : _____

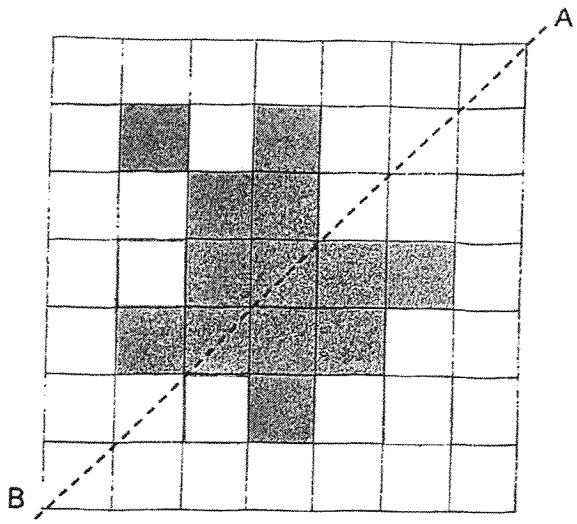
Please do not write in the margin

29 ABCD is a rectangle. Find $\angle x$.



Ans: _____ °

30 In the figure, line AB is a line of symmetry. Shade the least number of unit square(s) to make the figure symmetric.



31 92 tenths – 48 hundredths. Express your answer as a decimal.

Ans : _____

Please do not write in the margin

32 The table shows the number of books borrowed by the students in Class 4M.
A total of 71 books were borrowed.

Number of books borrowed	0	1	2	3	4
Number of students	5	12	? 7	7	6

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
20 students borrowed at least 2 books each.			
More than half of the class borrowed only 1 book.			
The 5 students who did not borrow any books decided to borrow at least 1 book each. The total number of books borrowed became 76.			

Please do not write in the margin

33 Nadim completed his homework at 11 25. He took 1 h 45 min to complete his homework. What time did Nadim start doing his homework?
Express your answer in 24-hour clock.

Ans: _____

34 Mrs Lee bought a papaya and a durian. The mass of the papaya was $\frac{9}{10}$ kg. It was $\frac{1}{2}$ kg lighter than the mass of the durian. What was the mass of the durian?

Express your answer as a mixed number in its simplest form.

Ans: _____ kg

35 The capacity of a tank is 12 ℓ. There is 875 mℓ of water in the tank. How much water must be added to fill the tank completely? Give your answer in litres and millilitres.

Ans : _____ ℓ _____ mℓ

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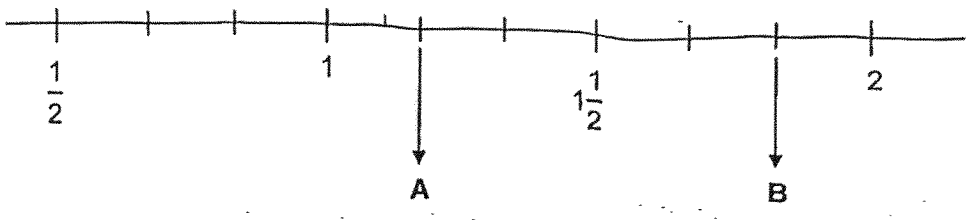
36 In the number line,



(a) what is the mixed number represented by **A**?

Ans : (a) _____

(b) what is the improper fraction represented by **B**?

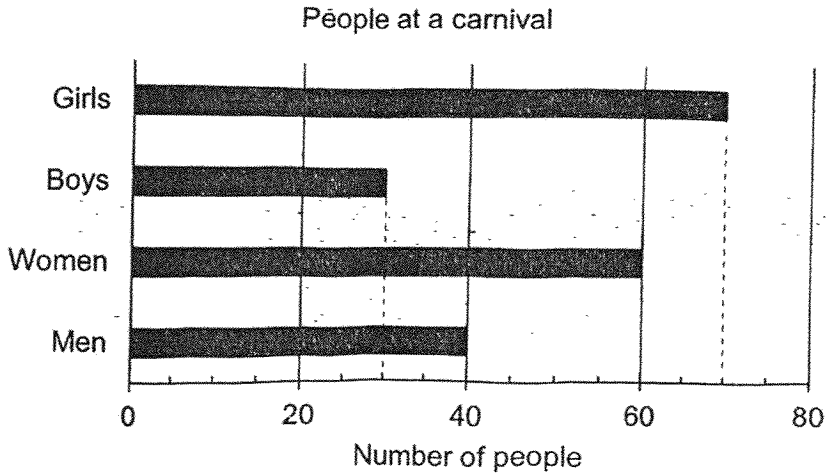
Ans : (b) _____

37 Draw ∠ABC = 85° with the given line AB. Mark and label the angle.

A _____ B

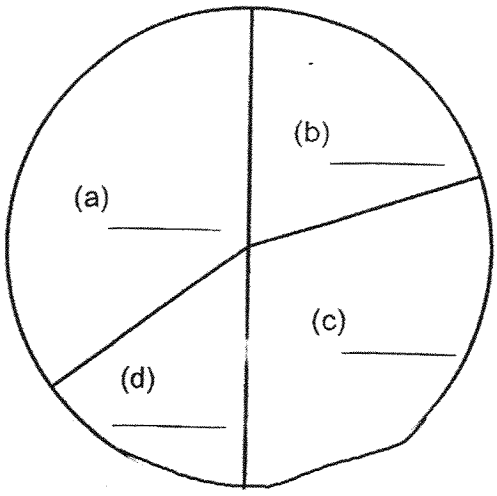
Please do not write in the margin

38 The graph represents the number of people at a carnival.



The information is also represented by a pie chart.

Label the pie chart by writing **M** for men, **W** for women, **B** for boys and **G** for girls in the blanks below.



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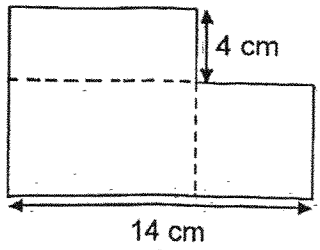
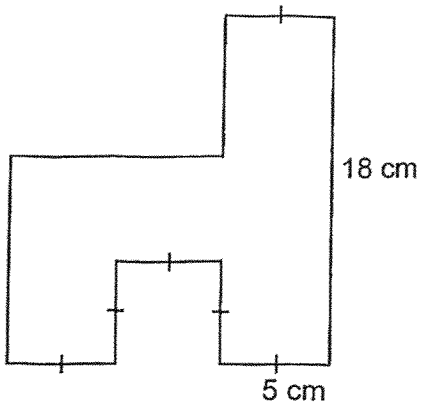
39 The figure is made up of 2 squares. The sides of the squares are whole numbers. What is the area of the figure?



Ans : _____ cm^2

40 The figure is made up of straight lines that meet at right angles. Find its perimeter.



Ans : _____ cm

Please do not write in the margin.

Section C

For questions 41 to 46, show your working clearly 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. (20 marks)

41 David has four times as many stamps as Ethan. Fiona has 60 fewer stamps than David. David, Ethan, and Fiona have a total of 1380 stamps. How many stamps does David have?

Ans: _____ [3]

42 There were a total of 1785 fiction books and non-fiction books in a library. $\frac{2}{7}$ of the books were non-fiction books and the rest were fiction books. How many more fiction books than non-fiction books were there?

Ans: _____ [3]

Please do not write in the margin.

43 Jane bought six identical bowls and five identical plates for $46.90.
Mary bought three such bowls and three such plates for $25.20.
How much did one plate cost?

Ans: _____ [3]

44 Three children can sit at each side of a square table as shown in Figure 1. Each time a table is added, it is joined by the side to form a long table as shown in Figures 2 and 3.

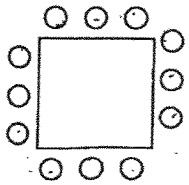


Figure 1

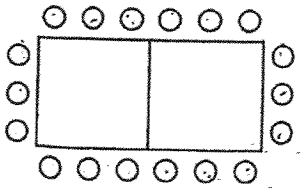


Figure 2

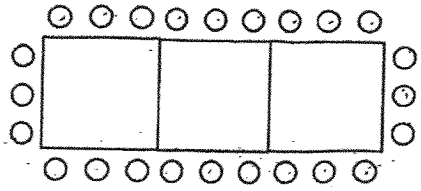


Figure 3

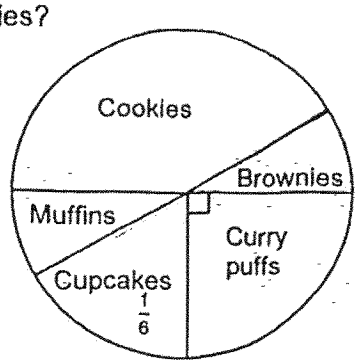
Mdm Lim wants to form a long table that can seat 60 children. How many square tables does she need?

Ans: _____ [3]

Please do not write in the margin.

45 The pie chart shows the choices made by a group of children about their favourite snacks. Half of the group likes cookies and brownies. The number of children who like muffins is equal to the number of children who like brownies.

(a) What fraction of the students like cookies?



Ans: (a) _____ [2]

(b) Given that 126 children like curry puffs, how many children like muffins?

Ans: (b) _____ [2]

Please do not write in the margin.

46 Figure 1 shows a rectangular piece of paper, ABCD. WXCY is a square with an area of 9 cm², cut out from the paper as shown in Figure 2. The area of the remaining paper is 261 cm². Given that BX = XC, find the length of AB.

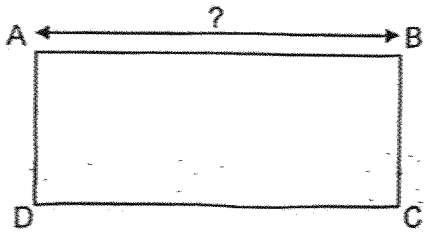


Figure 1

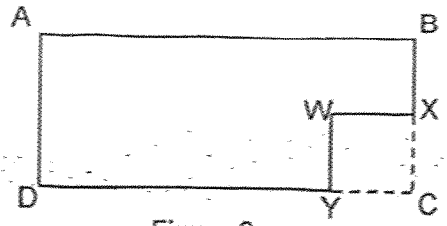


Figure 2

Ans: _____ [4]

End of Paper

SCHOOL : NAN HUA PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : 2025 END OF YEAR EXAMINATION

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	3	4	1	1	4	2	2	4	3
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
2	1	3	4	2	3	3	2	1	4

Q21) 15 025

Q22) 6314

Q23) Factors of 10:
1 × 10
2 × 5

Ans: 2 and 5

Q24) $\frac{5}{6} = \frac{10}{12}$

Ans: 10

Q25) $1 - \frac{1}{8} - \frac{1}{4} = \frac{8}{8} - \frac{1}{8} - \frac{2}{8}$
$= \frac{5}{8}$

Ans: $\frac{5}{8}$

Q26) 0.85

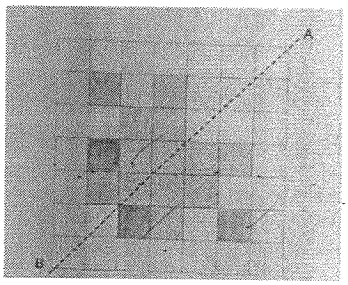
Q27) 6.36

Q28) 21.04

Q29) $\angle x = 90° - 55°$

$= 35°$

Q30)

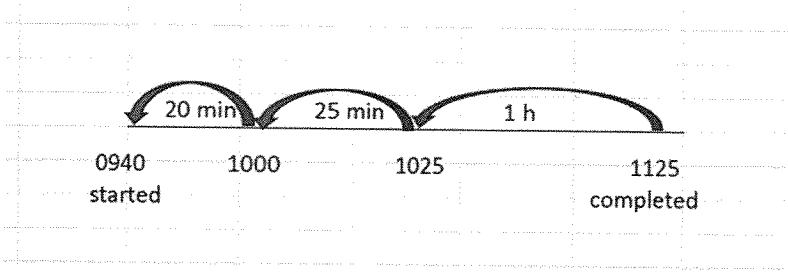


Q31) $9.2 - 0.48 = 8.72$ Ans: 8.72

Q32)

Statement	True	False	Not possible to tell
20 students borrowed at least 2 books each.	√		
More than half of the class borrowed only 1 book		√	
The 5 students who did not borrow any books decided to borrow at least 1 book each. The total number of books borrowed became 76.			√

Q33)



Q34) Durian = $\frac{9}{10} + \frac{1}{2}$

$= \frac{9}{10} + \frac{5}{10}$

$= \frac{14}{10}$

$= 1\frac{4}{10}$

$= 1\frac{2}{5}$ Ans: $1\frac{2}{5} kg$

Q35) 875mℓ = 0.875ℓ

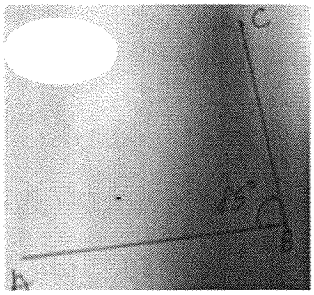
12 - 0.875 = 11.125

11.125ℓ = 11ℓ 125mℓ Ans: 11ℓ 125mℓ

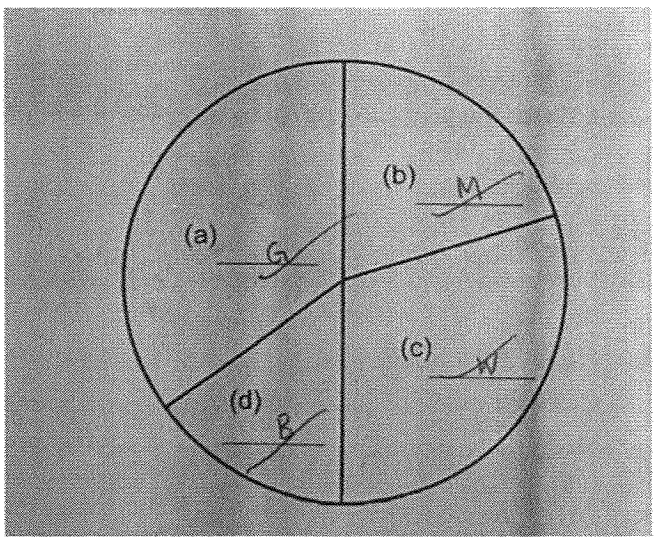
Q36a) $1\frac{1}{6}$

Q36b) $\frac{11}{6}$

Q37)



Q38)



Q39) 14 – 4 = 10
10 ÷ 2 = 5
5 + 4 = 9
9 × 9 = 81
5 × 5 = 25
82 + 25 = 106

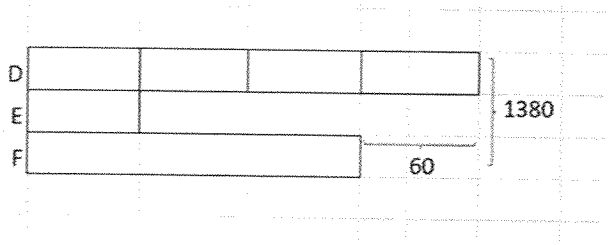
Ans: 106 cm²

Q40) Perimeter = 25 + 18 + 18 + 15
= 76

Ans: 76 cm

Section C

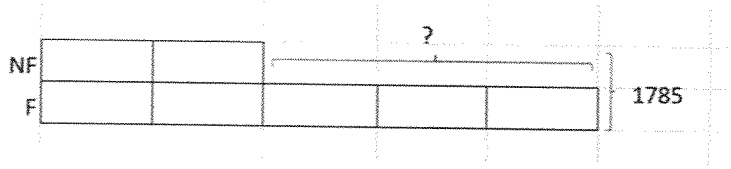
Q41)



9 units = 1380 + 60
= 1440
1 unit = 1440 ÷ 9
= 160
4 units = 160 × 4
= 640

Ans: 640 stamps

Q42)



7 units = 1785
1 unit = 1785 ÷ 7
= 255
3 units = 255 × 3
= 765

Ans:765 more

Q43) 6 (B) + 5 (P) = 46.90
× 2 (3 (B) + 3 (P) = 25.20) × 2
6 (B) + 6 (P) = 50.40
1 (P) = 50.40 – 4690
= 3.50

Ans: $3.50

Q44) $3 \times 2 = 6$

$60 - 6 = 54$

$54 \div 2 = 9$

Ans: 9 square tables

Q45a) Muffins = Brownies

Muffins = $\frac{1}{2} - \frac{1}{6} - \frac{1}{4}$

$= \frac{12}{12} - \frac{2}{12} - \frac{3}{12}$

$= \frac{1}{12}$

Cookies = $\frac{6}{12} - \frac{1}{12}$

$= \frac{5}{12}$

Ans (a): $\frac{5}{12}$

Q45b) Curry puffs = $\frac{1}{4}$

$= \frac{3}{12}$

3 units = 126

1 unit = 126 ÷ 3

= 42

Ans (b): 42 muffins

Q46) Area WXYC = 9 cm^2

$3 \times 3 = 9$

AD = 3 + 3

= 6

Length of AB = 270 ÷ 6

= 45

Ans: 45 cm