NAN HUA PRIMARY SCHOOL

END-OF-YEAR EXAMINATION 2025

PRIMARY FIVE

MATHEMATICS

PAPER 1

(BOOKLET A)

Total Time for Booklets A and B: 1 hour 10 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. Shade your answers in the Optical Answer Sheet (OAS) provided.
6. The use of calculators is **NOT** allowed.

Name : _____ ( )

Form Class : 5_____ **Teaching Group: 5M**_____

Date : 30 October 2025

This booklet consists of 10 printed pages.

Questions 1 to 10 carry 1 mark each. Questions 11 to 18 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.

(26 marks)

1 Which of the following is forty-seven thousand and thirty in numerals?

(1) 4730

(2) 47 030

(3) 47 300

(4) 470 030

2 What is the value of $60 - (4 + 8) \div 4 \times 3$?

(1) 59

(2) 51

(3) 36

(4) 4

3 What is the missing number in the box?

$$\frac{6}{18} = \frac{2}{\boxed{?}}$$

(1) 9

(2) 6

(3) 3

(4) 4

4 Which of the following is equal to $5\frac{7}{8}$?

(1) $\frac{35}{8}$

(2) $\frac{40}{8}$

(3) $\frac{43}{8}$

(4) $\frac{47}{8}$

5 In 108.034, which digit is in the hundredths place?

(1) 1

(2) 0

(3) 3

(4) 4

6 Express $3\frac{1}{5}$ as a decimal.

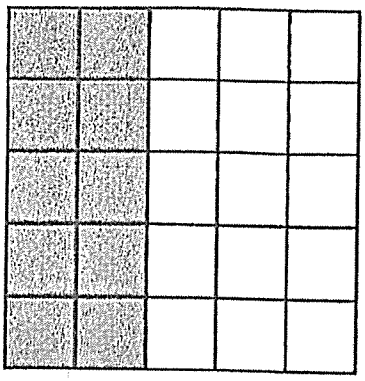
(1) 3.1

(2) 3.2

(3) 3.02

(4) 3.15

7 The figure is divided into 25 equal parts. What percentage of the figure is shaded?



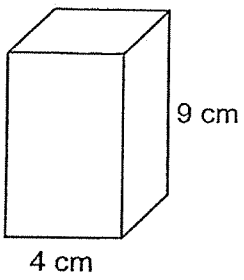
(1) 10%

(2) 20%

(3) 25%

(4) 40%

8 A solid cuboid of height 9 cm has a square base of side 4 cm. What is its volume?



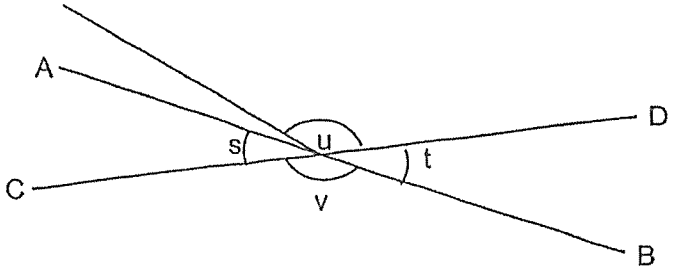
(1) 36 cm^3

(2) 144 cm^3

(3) 216 cm^3

(4) 324 cm^3

9 In the figure, AB and CD are straight lines. Which two angles are equal?



(1) ∠s and ∠t

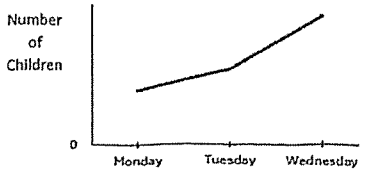
(2) ∠s and ∠v

(3) ∠u and ∠t

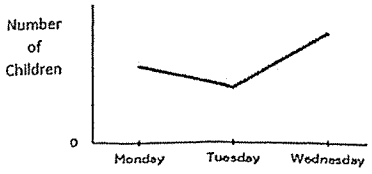
(4) ∠u and ∠v

10 The number of children at a camp decreased by 20 from Monday to Tuesday and increased by 50 from Tuesday to Wednesday. Which graph shows the number of children at the camp from Monday to Wednesday?

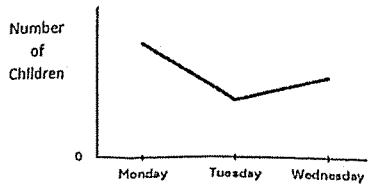
(1)



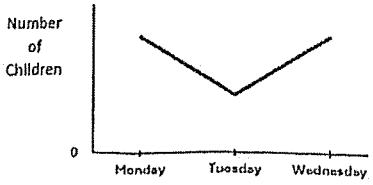
(2)



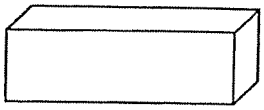
(3)



(4)

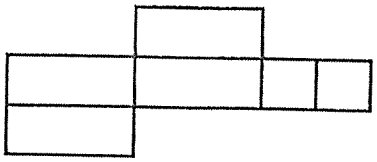


11 The figure shows a cuboid.

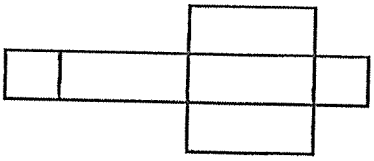


Which of the following is a net of the cuboid?

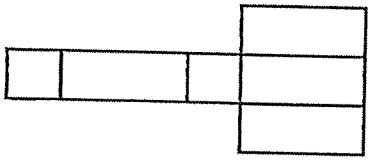
(1)



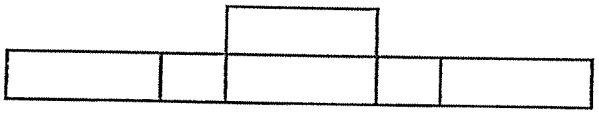
(2)



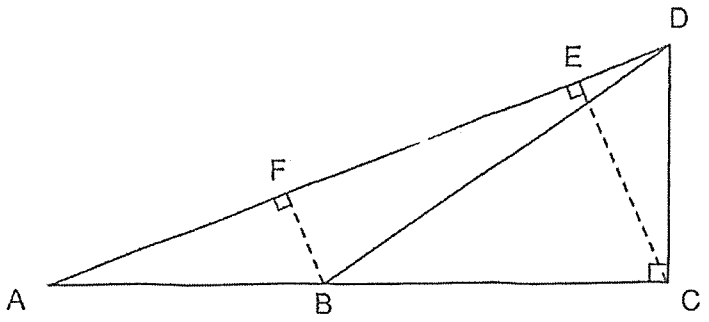
(3)



(4)



12 Identify the height of triangle ABD given that the base is AD.



(1) AB

(2) BF

(3) CE

(4) DC

13 Sally had some money. She used $50 to buy a book, $100 to buy a bag and was left with $250. What percentage of her money did she use altogether?

(1) 62.5%

(2) 60%

(3) 40%

(4) 37.5%

14 Arrange the distances from the shortest to the longest.

$7\frac{1}{8}$ km	7.25 km	7 km 55 m

	Shortest		Longest
(1)	7.25 km ,	$7\frac{1}{8}$ km	, 7 km 55 m
(2)	7.25 km ,	7 km 55 m ,	$7\frac{1}{8}$ km
(3)	7 km 55 m,	$7\frac{1}{8}$ km	7.25 km
(4)	$7\frac{1}{8}$ km ,	7 km 55 m ,	7.25 km

15 Ms Lim used $\frac{5}{8}$ of her money to buy three bags and six wallets. The cost of three wallets was the same as the cost of one bag. What is the most number of wallets Ms Lim could buy with her remaining money?

(1) 15

(2) 9

(3) 3

(4) 8

16 Tom worked six hours each day from Monday to Thursday and seven hours on Saturday and was paid the following rate.

Weekdays	\$7 an hour
Weekends	\$12 an hour

How much did he earn in that week?

(1) \$252

(2) \$336

(3) \$294

(4) \$378

17 Which of the following shows the correct rounding of each of the numbers to the nearest whole number.

$$48.8 + 30.49 \times 4.38 - 5.51$$

(1) $49 + 30 \times 4 - 6$

(2) $49 + 30 \times 4 - 5$

(3) $49 + 31 \times 4 - 6$

(4) $49 + 31 \times 4 - 5$

18 Mr Tan wanted to pack 24 red marbles and 56 blue marbles into as many bags as possible with no remainder. He packed the same number of marbles into each bag. The number of blue marbles in each bag was the same. How many bags were used?

(1) 8

(2) 7

(3) 3

(4) 4

NAN HUA PRIMARY SCHOOL

END-OF-YEAR EXAMINATION 2025

PRIMARY FIVE

MATHEMATICS

PAPER 1

(BOOKLET B)

Total Time for Booklets A and B: 1 hour 10 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 dark blue or black ball point pen to write your answers in the space provided for each question.
6. Do not use correction tape/ fluid/ highlighter.
7. The use of calculators is **NOT** allowed.

Marks Obtained

Section		Maximum Marks	Actual Marks
Paper 1	Booklet A	26	
	Booklet B	24	
Paper 2		50	
Total		100	

Name : _____ ( )

Form Class : 5_____ **Teaching Group: 5M**_____

Date : 30 October 2025

This booklet consists of 7 printed pages and 1 blank page.

Questions **19** to **30** carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (24 marks)

19 Find the value of $5.8 \div 40$

Ans: _____

20 Mark had 3.06 kg of flour at first. He used 520 g of it. How many kilograms of flour was left?

Ans: _____ kg

21 Mr Sim had 180 kettles for sale. He sold 35% of them last week. How many kettles did he sell last week?

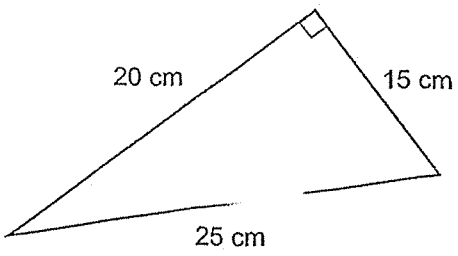
Ans: _____

Please do not write in the margin

22 Water leaks from a tap at a rate of 6 ml per second. At this rate, how much water will leak from the tap in two minutes?

Ans: _____ ml

23 The figure shows a right-angled triangle. Find the area of the triangle.



Ans: _____ cm^2

Please do not write in the margin

(Go on to the next page)

24 Find the value of 307 x 300

Ans: _____

25 A ribbon 30 m long was cut into 8 equal pieces.
What is the length of each piece of ribbon?
Give your answer as a mixed number in its simplest form.

Ans: _____ m

Please do not write in the margin

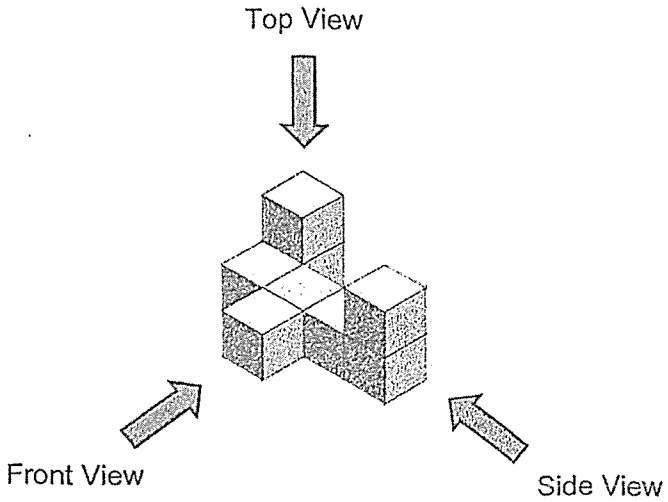
26 The distance of one round around a park is $\frac{3}{4}$ km. Sally jogged 3 rounds.

How far did Sally jog?

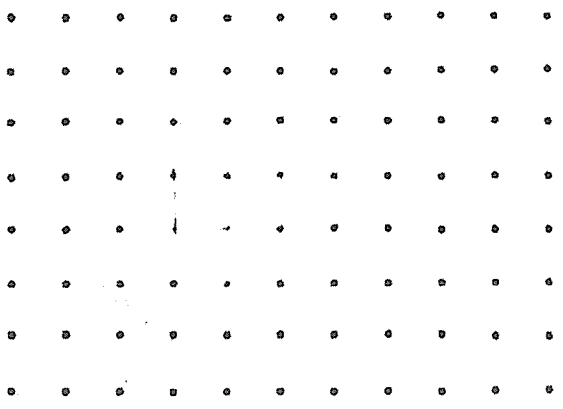
Give your answer as a mixed number.

Ans: _____ km

27 Draw the top view of the solid on the grid provided.



Top View



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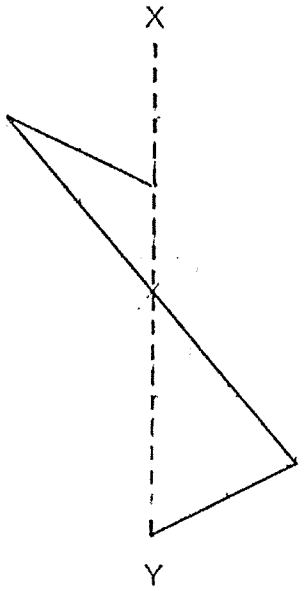
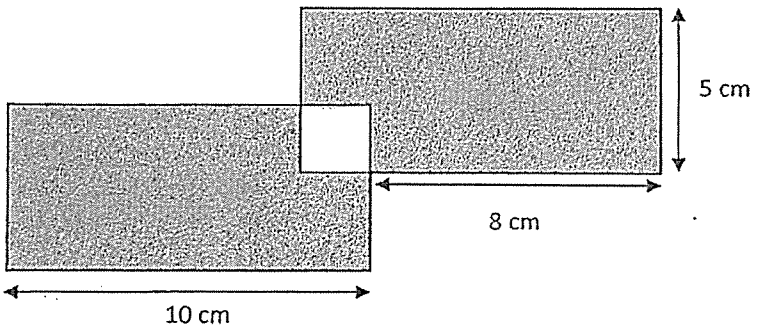
28 Complete the symmetric figure with XY as the line of symmetry.



29 The figure is made up of 2 identical rectangles overlapping to form a square in the middle. Find the area of the shaded part of the figure.



Ans: _____ cm^2

Please do not write in the margin

30

	Properties
Triangle A	1. Two of its angles add up to 120°. 2. It has at least two equal sides.
Triangle B	1. It has exactly two acute angles.

Each statement below is either true, false or impossible to tell based on the information given above. For each statement, put a tick (✓) in the correct column.

Statement	True	False	Not Possible to Tell
(a) Triangle A is an equilateral triangle.			
(b) Triangle B is an acute triangle.			

Please do not write in the margin

End of Paper

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NAN HUA PRIMARY SCHOOL

END-OF-YEAR EXAMINATION 2025

PRIMARY FIVE

MATHEMATICS

PAPER 2

Time: 1 hour 20 minutes

INSTRUCTIONS TO CANDIDATES

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3. Follow all instructions carefully.
4. Answer all questions.
5. Use dark blue or black ball point pen to write your answers in the space provided for each question.
6. Do not use correction tape/ fluid/ highlighter.
7. The use of calculators is allowed.

Marks Obtained

Section	Maximum Marks	Actual Marks
Paper 2	50	

Name : _____ ( )

Form Class : 5_____ Teaching Group: 5M_____

Date : 30 October 2025

This booklet consists of 14 printed pages.

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the space provided. For questions which require units, give your answers in the units stated. (10 marks)

1 Joshua had some fruits. He sold $\frac{2}{5}$ of the fruits on Monday.

He sold $\frac{1}{6}$ of the remaining fruits on Tuesday.

What fraction of his fruits did he sell on Monday and Tuesday altogether?

Ans: _____

2 Mary spends $90 on a bag. In addition, she has to pay 9% GST for the bag. How much money did she spend on the bag?

Ans: $ _____

Please do not write in the margin.

3 Samantha had $24 more than Jeremy at first. After Jeremy gave some of his money to Samantha, he had $42 less than her.
How much money did he give to her?

Ans: $ _____

4 Mr Tan received a total of $1345 for all the scrap metal he sold based on the rates below.

Mass of Scrap Metal	Rate per kg
First 60 kg	$ 5
Each additional kg	$ 5.50

What is the total mass of scrap metal sold by Mr Tan?

Ans: _____ kg

Please do not write in the margin.

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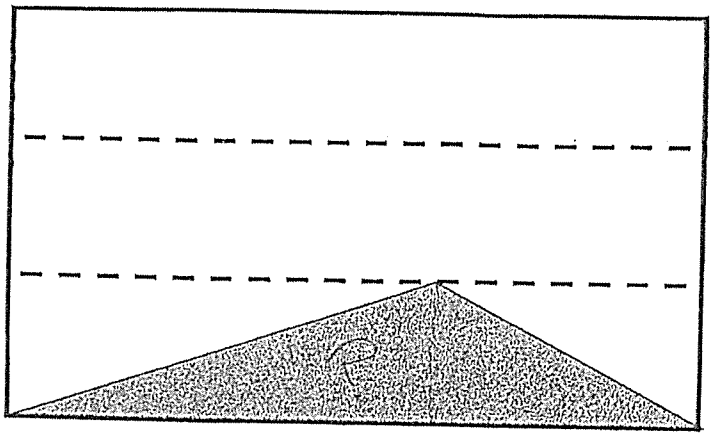
5 A piece of paper with area 48 cm^2 was folded into three equal parts.

Find the total area of the shaded triangle.



Ans: _____ cm^2

For questions 6 to 15, 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. (40 marks)

6 Beatrice deposited $50 000 in Bank A which paid her an interest of 2% per year. Charlie deposited $40 000 in Bank B which paid him an interest of 3% per year.

(a) How much would Beatrice have in her account at the end of one year?

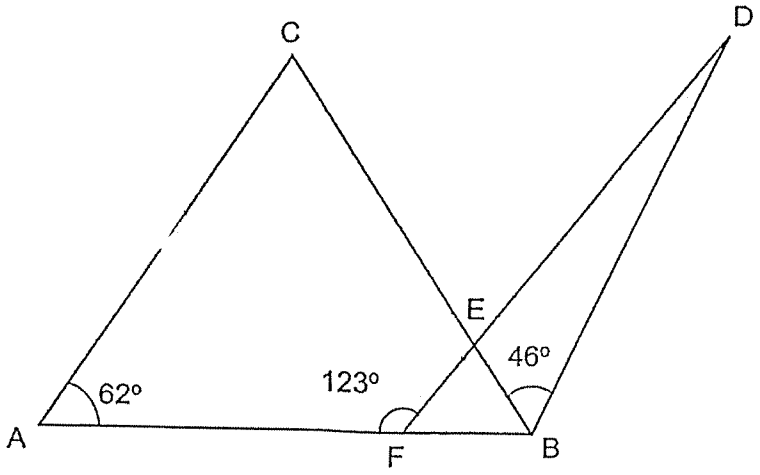
Ans: (a) $ _____ [1]

(b) Beatrice or Charlie earned more interest at the end of one year and how much more?

Ans: (b) _____ earned $_____ more interest. [2]

Please do not write in the margin.

7 ABC is an isosceles triangle. AB = AC. AFB, CEB and FED are straight lines. Find ∠BDF.



Ans: _____ ° [4]

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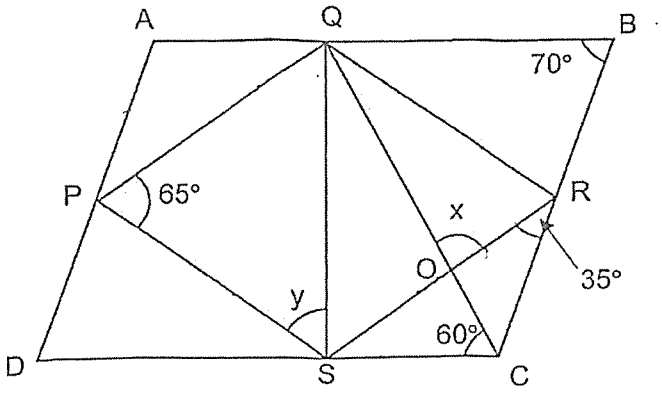
8 ABCD is a parallelogram and PQRS is a rhombus.



(a) Find $\angle x$.

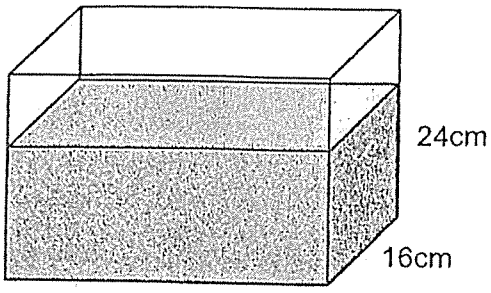
Ans: _____ ° [2]

(b) Find $\angle y$.

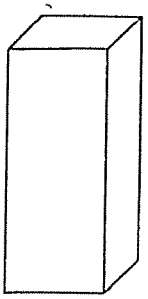
Ans: _____ ° [2]

Please do not write in the margin.

9 X and Y are two rectangular containers. Container X measures 36 cm by 16 cm by 24 cm and was $\frac{2}{3}$ - filled with water.



X



Y

(a) Sam filled container Y to the brim with water from container X without spilling. After that, container X was left with 4 ℓ of water. What is the capacity of container Y?

Ans: (a) _____ cm^3 [2]

(b) The remaining water in container X could fill 5 identical bottles to the brim. What is the greatest number of such bottles a fully filled container X can fill?

Ans: (b) _____ [2]

Please do not write in the margin.

10 At first, Mei Ling had 200 blue markers and some red markers. After she gave away 60 blue markers and $\frac{2}{3}$ of the red markers, she had 180 markers left. How many markers did she have at first?

Ans: _____ [3]

(Go on to the next page)

11 At a fruit store, mangoes were sold at $3 each. When a customer buys 5 or more mangoes, a 5% discount will be given.

(a) Delon bought 10 mangoes. How much was the discount given to him?

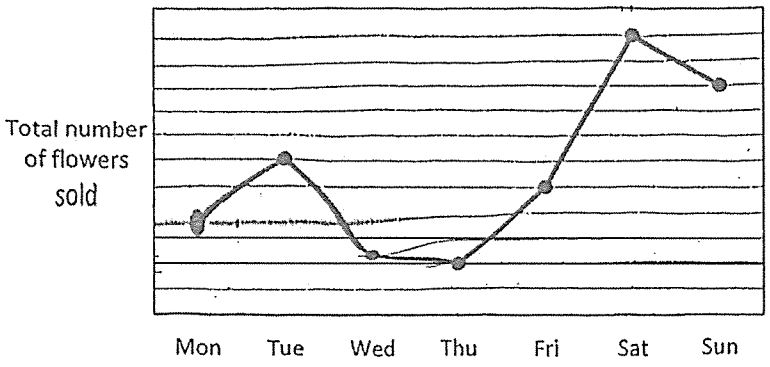
Ans: (a) $ _____ [1]

(b) Anne bought 3 mangoes on Monday and 7 mangoes on Tuesday. How much did Anne pay for the mangoes on the two days in total after the discount?

Ans: (b) $ _____ [2]

Please do not write in the margin.

12 The table shows the total number of flowers sold by the florist each day for the week. Each flower was sold at the same price.



(a) Which one day period shows the largest decrease in the sale of flowers?

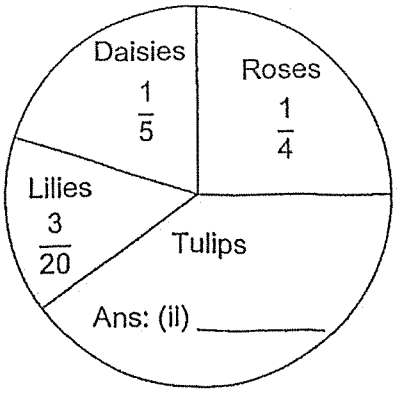
Ans: (a) _____ to _____ _____ [1]

(b) On which two days had the florist sold half the total number of flowers sold for the week?

Ans: (b) _____ and _____ [2]

(c) The table and chart below show the types of flowers sold in the week. Complete the table and fill in the fraction in the pie chart. [2]

Type of Flowers	Number of flowers sold
Roses	(i) Ans: _____
Tulips	160
Lilies	60
Daisy	80



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13 A bakery delivered 300 cakes to a hotel. It charged the hotel $50 for each cake in good condition. For every spoiled cake, the bakery had to pay the hotel $30. The hotel paid the bakery a total of $13 000. How many cakes were spoiled?

Ans: _____ [4]

14 Figure 1 shows a parallelogram which has a perimeter of 48 cm.
Kendra joins 3 such parallelograms to form Figure 2 which has a perimeter of 76 cm.

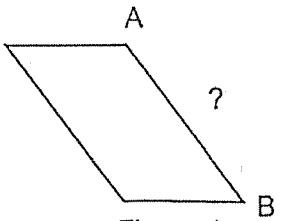


Figure 1

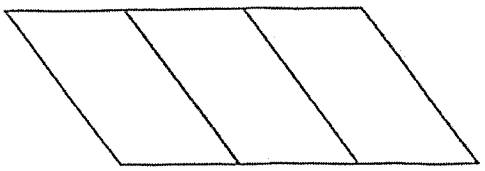
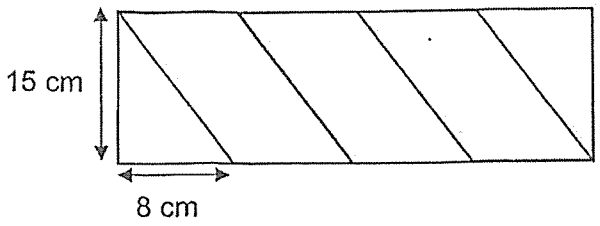


Figure 2

(a) Find the length of AB.

Ans: _____ cm [3]

(b) Kendra places the figure with 2 similar triangles to form a rectangle. Find the area of the rectangle.



Ans: _____ cm^2 [2]

Please do not write in the margin.

15 Ms Loh and Mrs Tay shared $\frac{4}{5}$ of the beads in a box. They each used 150 beads to make bracelets. Ms Loh had used $\frac{3}{5}$ of her beads while Mrs Tay had used $\frac{1}{3}$ of her beads for the bracelets.

(a) How many beads did Ms Loh and Mrs Tay share?

Ans: (a) _____ [3]

(b) How many beads were there in the box at first?

Ans: (b) _____ [2]

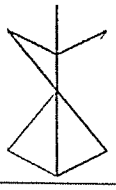
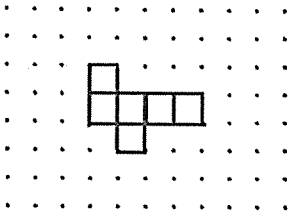
End of Paper

Nan Hua Primary School
2025 End-of-Year Examinations Paper

Primary 5 Mathematics

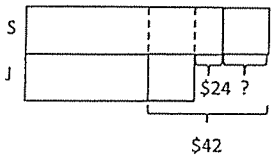
Paper 1 Booklet A

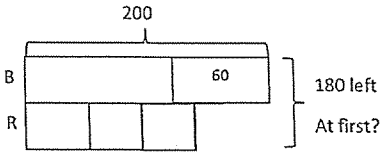
No.	Answer	No.	Answer
1	(2)	11	(3)
2	(2)	12	(2)
3	(2)	13	(4)
4	(4)	14	(3)
5	(3)	15	(2)
6	(2)	16	(1)
7	(4)	17	(1)
8	(2)	18	(1)
9	(1)		
10	(2)		

Paper 1 Booklet B			
No.	Solution	No.	
19	$5.8 \div 40 = 5.8 \div 4 \div 10$ $= 1.45 \div 10$ $= 0.145$	24	$307 \times 300 = 921 \times 100$ $= 92\,100$
20	$3.06\ kg - 0.52\ kg = 2.54\ kg$	25	$30m \div 8 = \frac{30}{8}\ m$ $= \frac{15}{4}\ m$ $= 3\frac{3}{4}\ m$
21	$35\% \times 180 = 63$	26	$3 \times \frac{3}{4}\ km = \frac{9}{4}\ km$ $= 2\frac{1}{4}\ km$
22	$6ml \times 120 = 720\ ml$	27	
23	$\frac{1}{2} \times 15cm \times 20cm = 150cm^2$	28	

29	$10cm \times 5cm = 50cm^2$ $2cm \times 2cm = 4cm^2$ $2 \times 50cm^2 - 2 \times 4cm^2 = 92cm^2$	30	a) True b) False

Paper 2

No.	Solution	No.	Solution
1	$1 - \frac{2}{5} = \frac{3}{5}$ $\frac{1}{6} \times \frac{3}{5} = \frac{1}{10}$ $\frac{2}{5} + \frac{1}{10} = \frac{4}{10} + \frac{1}{10}$ $= \frac{5}{10}$ $= \frac{1}{2}$	3	 $42 - $24 = $18 $18 ÷ 2 = $9
2	9% x $90 = $8.10 $90 + $8.10 = **$98.10** or 1.09 x $90 = **$98.10**	4	60 x $5 = $300 $1345 - $300 = $1045 $1045 ÷ $5.50 = 190 190kg + 60kg = **250kg**
		5	48 cm^2 ÷ 3 = 16cm^2 16cm^2 ÷ 2 = **8cm^2**

No.	Solution	No.	Solution
6	a) 2% x $50 000 = $1000 $50 000 + $1000 = **$51 000** b) 3% x $40 000 = $1200 $1200 - $1000 = $200 Charlie earned $200 more interest.	9	a) 24cm ÷ 3 x 2= 16cm 36 cm x 16 cm x 16 cm = 9216 cm^3 9216cm^3 – 4000cm^3 = **5216cm^3** b) 4000 cm^3 ÷ 5 = **800 cm^3** 36cm x 16cm x 24cm = 13824cm^3 13824cm^3 ÷ 800cm^3 = 17.28 **≈ 17**
7	∠ABC = (180° - 62°) ÷ 2 = 59° ∠BFD = 180° – 123° = 57° ∠FBD = 59° + 46° = 105° ∠BDF = 180° – 57° – 105° = **18°**	10	 200 – 60 = 140 180 – 140 = 40 40 x 3 = 120 200 + 120 = **320**
8	a) ∠SCB = 180° – 70° = 110° ∠QCB = 110° – 60° = 50° ∠COR = 180° – 50° – 35° = 95° ∠x = 180° - 95° = **85°** b) ∠PSR = 180° - 65° = 115° ∠y = 115° ÷ 2 = **57.5°**	11	a) $3 x 10 = $30 5% x $30 = **$1.50** b) Monday → 3 x $3 = $9 Tuesday → 95% x 7 x $3 = $19.95 $9 + $19.95 = **$28.95**

12

a) Tuesday to Wednesday

b) 9u + 11u = 20u
Total units = 40u

Saturday and Sunday

c) Roses: 100

Tulips: $\frac{2}{5}$

13

Assume all cakes were in good condition

300 x $50 = $15 000
$15 000 - $13 000 = $2000
$50 + $30 = $80
$2000 ÷ $80 = 25

OR

No. of good cakes	Value of good cakes (Paid)	No. of spoiled cakes	Value of spoiled cakes (Received)	Total Paid	Check
150	150 x $50 = $7500	150	150 x $30 = $4500	$7500 - $4500 = $3000	X
151	151 x $50 = $7550	149	149 x $30 = $4470	$7550 - $4470 = $3080	X
151 + 124 = 275	275 x $50 = $13750	149 – 124 = 25	25 x $30 = $750	$13750 - $750 = $13000	✓

14

a) 3 x 48cm = 144 cm
144 cm – 76 cm = 68 cm
68 cm ÷ 4 = **17 cm**

b) (48 cm – 17 cm – 17 cm) ÷ 2 = 7 cm
3 x 7 cm + 8 cm = 29 cm
29 cm x 15 cm = **435 cm²**

15

a) Ms Loh→ 3u = 150 beads
5u = 150 ÷ 3 x 5 = 250

Mrs Tay→ 1p = 150 beads
3p = 150 x 3 = 450

Total number of beads shared
= 450 + 250 = **700**

b) 4u = 700
1u = 700 ÷ 4 = 175
5u = 175 x 5 = **875**