RAFFLES GIRLS' PRIMARY SCHOOL
END OF YEAR EXAMINATION
PRIMARY FIVE
2023

MATHEMATICS
PAPER 1
(BOOKLET A)

Name: _____ **Date: 24 October 2023**

Class: P5 _____ **Total Time: 1 hour**

Math Teacher's Name: _____

INSTRUCTIONS TO CANDIDATES

1. **Do not turn over this page until you are told to do so.**
2. **Follow all instructions carefully.**
3. **Answer all questions.**
4. **Use a 2B pencil to shade your answers on the Optical Answer Sheet (OAS).**
5. **The use of calculators is NOT allowed.**

Paper 1	45
Paper 2	55
Total Score **out of 100**	
Parent's signature	

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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) and shade your answer on the Optical Answer Sheet.

(20 marks)

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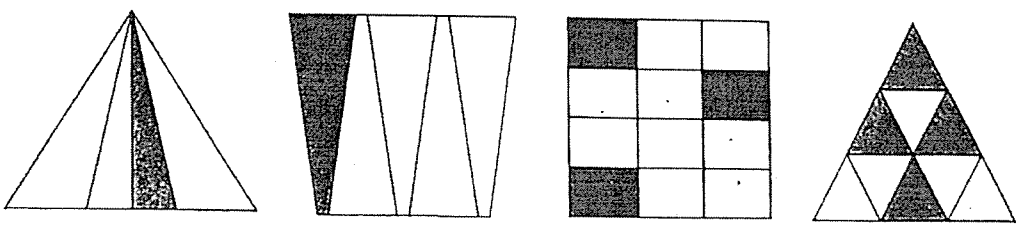
1. What is the value of the digit 3 in 30 625?

   (1) 30
   (2) 300
   (3) 3000
   (4) 30 000

2. Express $1\frac{1}{50}$ as a decimal.

   (1) 1.1
   (2) 1.2
   (3) 1.02
   (4) 1.15

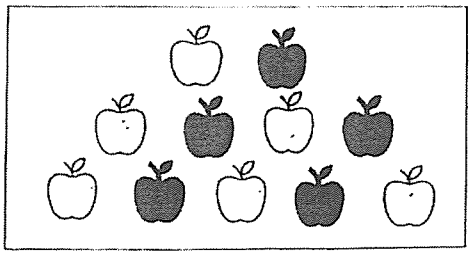
3. Which of the following shows $\frac{1}{4}$ of the figure shaded?



(1) (2) (3) (4)

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4. What fraction of the apples are **unshaded**?



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

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

(3) $\frac{5}{11}$

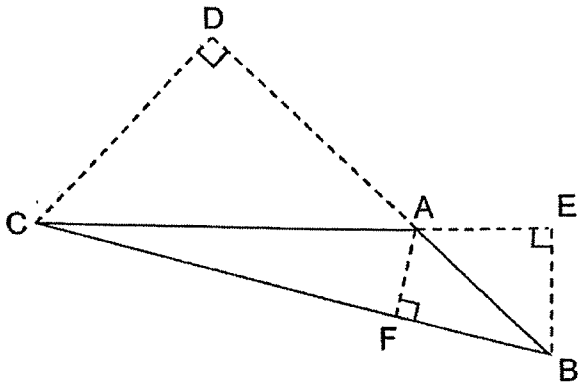
(4) $\frac{6}{11}$

5. Arrange the following fractions from the largest to the smallest.

	Largest		Smallest
(1)	$\frac{11}{12}$,	$\frac{2}{3}$,	$\frac{3}{4}$
(2)	$\frac{11}{12}$,	$\frac{3}{4}$,	$\frac{2}{3}$
(3)	$\frac{3}{4}$,	$\frac{2}{3}$,	$\frac{11}{12}$
(4)	$\frac{3}{4}$,	$\frac{11}{12}$,	$\frac{2}{3}$

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6. In triangle ABC, if the base is AB, the height is _____.



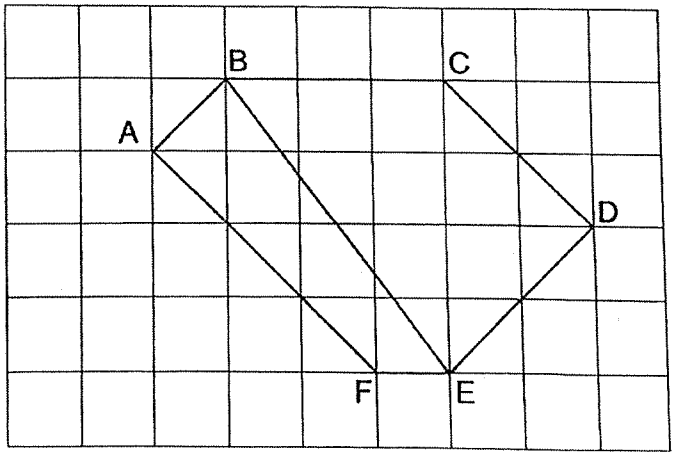
(1) AE

(2) AF

(3) CD

(4) EB

7. Which line in the square grid is parallel to CD?



(1) AF

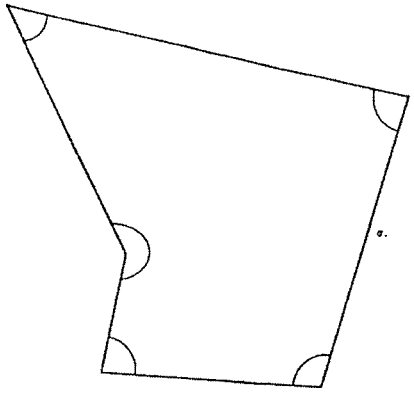
(2) BC

(3) BE

(4) DE

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8. In the figure, how many of the five marked angles are less than 90°?



(1) 5

(2) 2

(3) 3

(4) 4

9. What is the value of $30 - (6 + 12) \div 2 \times 3$?

(1) 18

(2) 2

(3) 3

(4) 27

10. Maya folds 10 stars in 5 minutes.
At this rate, how many stars can Maya fold in 20 minutes?

(1) 10

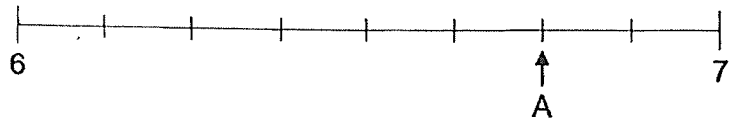
(2) 40

(3) 50

(4) 200

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11. In the number line, what is the value represent by A?



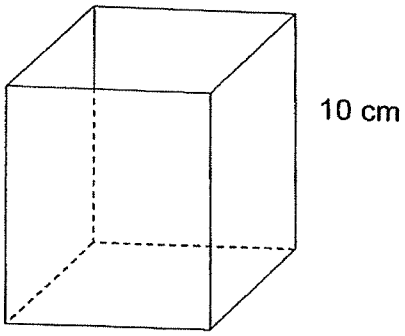
(1) 6.60

(2) 6.75

(3) 7.20

(4) 7.25

12. The figure shows a cuboid with a square base and a height of 10 cm. The perimeter of the square base is 36 cm. What is the volume of the cuboid?



(1) 60 cm^3

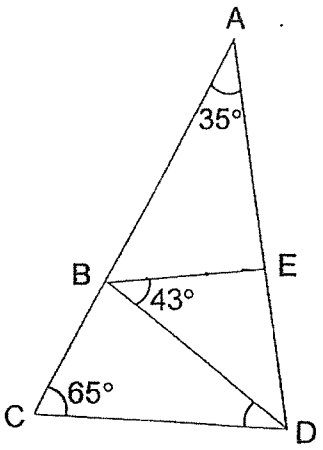
(2) 90 cm^3

(3) 360 cm^3

(4) 810 cm^3

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13. In the figure, BDE is an isosceles triangle. Find ∠BDC.



(1) 37°

(2) 43°

(3) 65°

(4) 80°

14. Mr Hamid wanted to transfer 12 of his plants into bigger pots. He used $\frac{3}{8}$ kg of soil to fill each big pot. He ran out of soil after transferring 5 plants. How much more soil would he need to fill the big pots for the remaining plants?



(1) $1\frac{7}{8}$ kg

(2) $2\frac{5}{8}$ kg

(3) $4\frac{1}{2}$ kg

(4) $4\frac{5}{8}$ kg

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15. Ally and Bella had the same amount of money at first. After Ally spent $20 and Bella spent $80, Ally had 3 times as much money as Bella. How much money did Bella have at first?

(1) $100

(2) $110

(3) $140

(4) $220

(Go on to Booklet B)

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RAFFLES GIRLS' PRIMARY SCHOOL
END OF YEAR EXAMINATION
PRIMARY FIVE
2023

MATHEMATICS
PAPER 1
(BOOKLET B)

Name: _____ **Date: 24 October 2023**

Class: P5 _____ **Total Time: 1 hour**

Math Teacher's Name: _____

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Use a dark blue or black ballpoint pen to write your answers in the space provided for each question.
5. Do not use correction fluid/tape or highlighters
6. The use of calculators is NOT allowed.

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Questions **16** to **20** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

16. Write down all the common multiples of 3 and 4 that are smaller than 30.

Ans: _____

17. Find the value of 0.45×80.

Ans: _____

18. Huda had 1.05 ℓ of orange juice at first. She drank 480 ml of it. How many litres of orange juice was left?

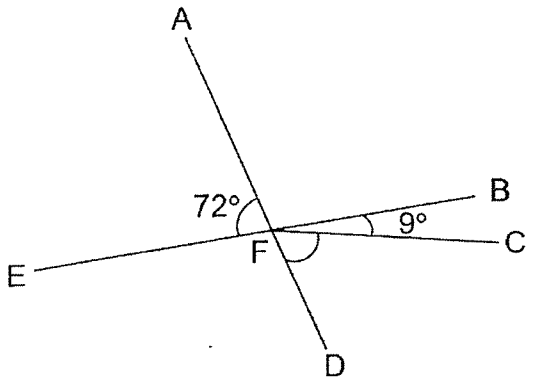
Ans: _____ ℓ

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19. Find the value of $\frac{2}{3} \times \frac{4}{9}$

Ans: _____

20. In the figure, AFD and EFB are straight lines. Find ∠CFD.

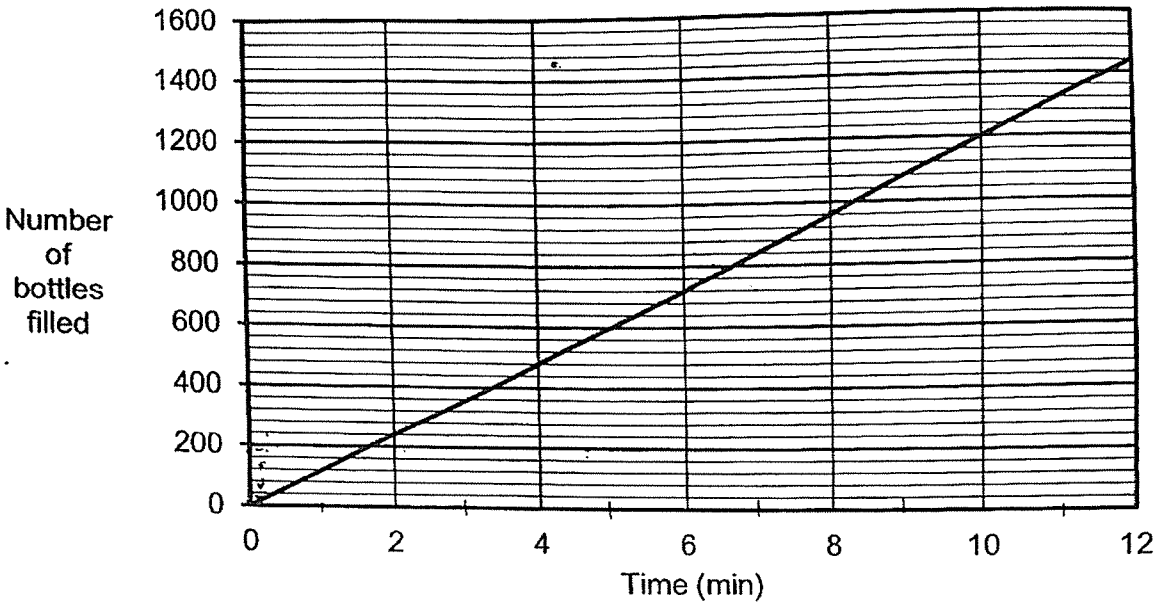


Ans: _____

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Questions **21** to **30** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions that require units, give your answers in the units stated. (20 marks)

21. The line graph shows the number of bottles a machine filled over 12 minutes.



(a) How many bottles did the machine fill in two minutes?

Ans: (a) _____

(b) How long did it take for the machine to fill 960 bottles?

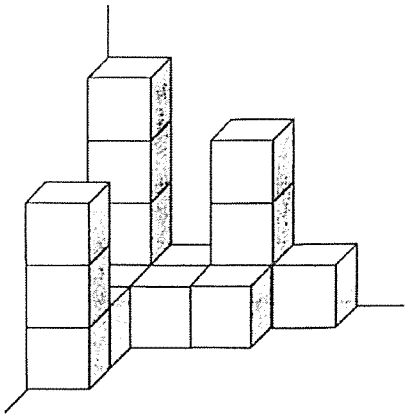
Ans: (b) _____ min

22. The Koh family watched a movie from 7.30 p.m. to 9.15 p.m. How much time did they spend watching the movie? Give your answer in h and min.

Ans: _____ h _____ min

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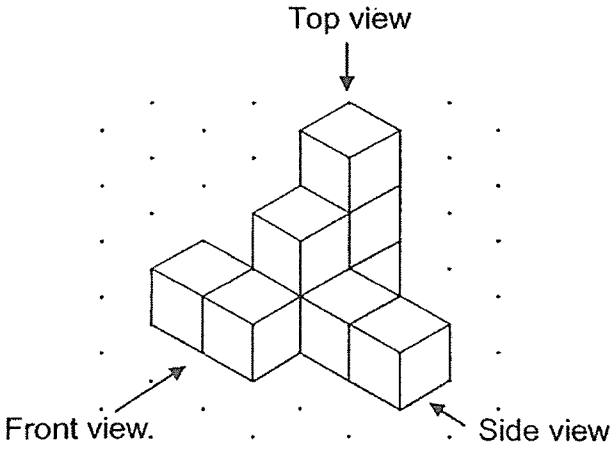
23. (a) How many unit cubes are used to build solid A?



Solid A

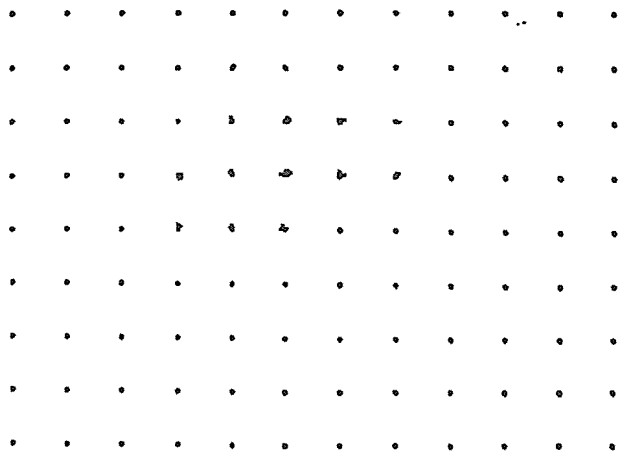
Ans: (a) _____

(b) Draw the top view of solid B on the grid.



Solid B

Top view



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24. The table shows the number of hampers sold at a gift shop from Thursday to Saturday.

Day	Number of hampers sold
Thursday	18
Friday	24
Saturday	42

(a) Find the ratio of the number of hampers sold on Thursday to Friday to Saturday. Give your answer in the simplest form.

Ans: (a) _____

(b) What was the average number of hampers sold over the three days?

Ans: (b) _____

25. There are 40 pupils in a class. 15% of them walk to school. How many pupils walk to school?

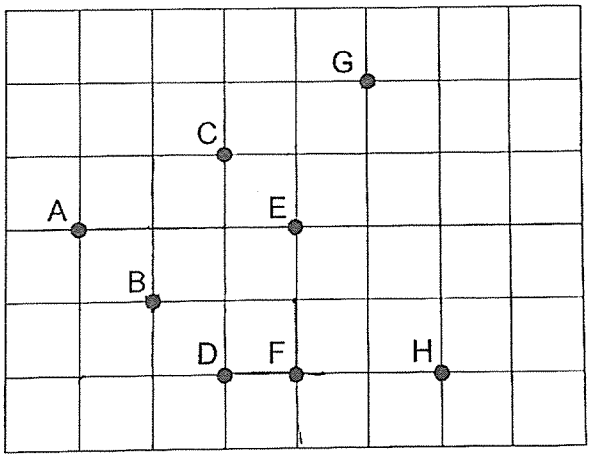
Ans: _____

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26. Mr Tan had $8000. He gave $2000 to his wife and deposited the remaining amount in the bank. The bank paid 5% interest at the end of each year. How much money did he have in the bank at the end of 1 year?

Ans: $_____

27.



In the square grid,

(a) point _____ is east of point F.

Ans: (a) _____

(b) point B is south-west of point _____.

Ans: (b) _____

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28. A painter mixed blue paint and yellow paint in the ratio of 3 : 7 to get green paint. He used 840 ml of yellow paint. How much blue paint did he use?

Ans: _____ ml

29. The table shows the charges for bicycle rental.

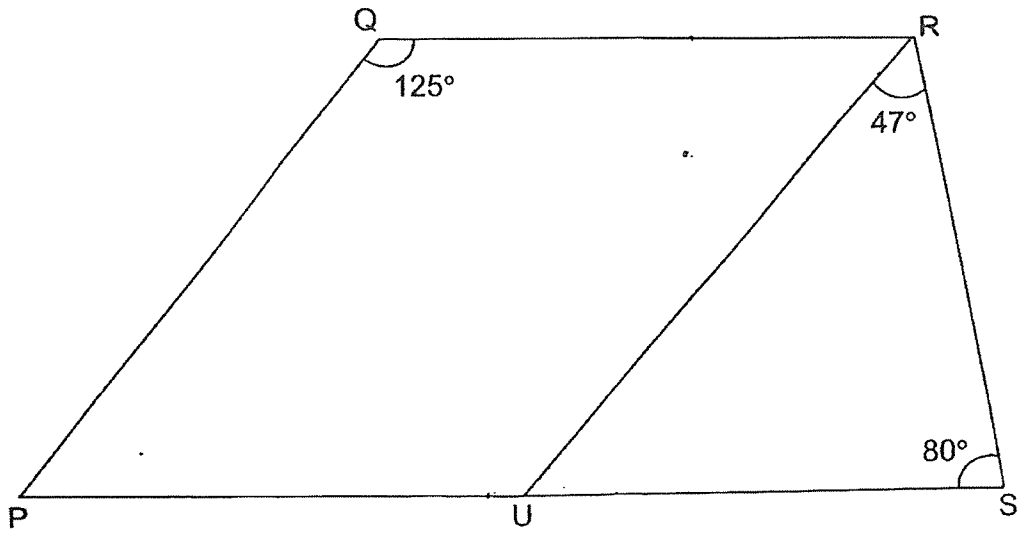
Bicycle For Rent	
First hour	$6.00
Every additional $\frac{1}{2}$ hour or part thereof	$2.50

John and his brother rented a bicycle each from 2.00 p.m. to 4.15 p.m. How much much did they pay altogether?

Ans: $_____

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30. PQRS is a trapezium and QR is parallel to PS.



(a) Find ∠QRU.

Ans: (a) _____ °

(b) Circle the words that describe PQRU correctly in the following statement:

PQRU **(is / is not)** a parallelogram because PQ **(is / is not)** parallel to UR.

End of Paper
☺ Please check your work carefully ☺

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RAFFLES GIRLS' PRIMARY SCHOOL
END OF YEAR EXAMINATION
PRIMARY FIVE
2023
MATHEMATICS
PAPER 2

Name: _____ Date : 24 October 2023

Class: P5 ____ Total Time : 1 hour 30 min

Math Teacher's name : _____

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Use a dark blue or black ballpoint pen to write your answers in the space provided for each question.
5. Do not use correction fluid/tape or highlighters.
6. The use of an approved calculator is allowed.

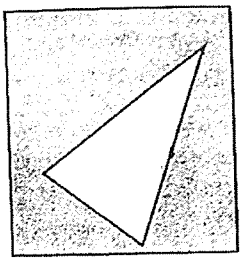
Mark	/ 55

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Questions 1 to 5 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)

---

1. The figure is made up of a rectangle and a triangle. The ratio of the area of the rectangle to the area of the triangle is 15 : 4. The area of the triangle is 24 cm^2. Find the area of the shaded part.



Ans: _____ cm^2

2. The table shows the number of buttons in a box. What percentage of the buttons in the box are red buttons? Round your answer to 2 decimal places.

Colour	Number of buttons
Red	80
Blue	130

Ans: _____ %

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3. Printer A prints at a rate of 80 copies in 1 minute while Printer B prints at a rate of 300 copies in 5 minutes.

(a) Which printer prints at a faster rate?

Ans: (a) Printer _____

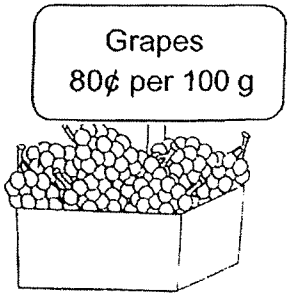
(b) By how many more copies does the faster printer print in one minute?

Ans: (b) _____ copies

4. Zhi Yu cycles 7 times a week. Each time, he cycles $5\frac{4}{5}$ km from his home to the park and cycles home on the same route. What is the total distance that Zhi Yu cycles in a week? Express your answer as a mixed number in the simplest form.

Ans: _____ km

5. Shanti bought 1.3 kg of grapes. How much did she pay?



Ans : $ _____

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For questions **6** to **17**, 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. (45 marks)

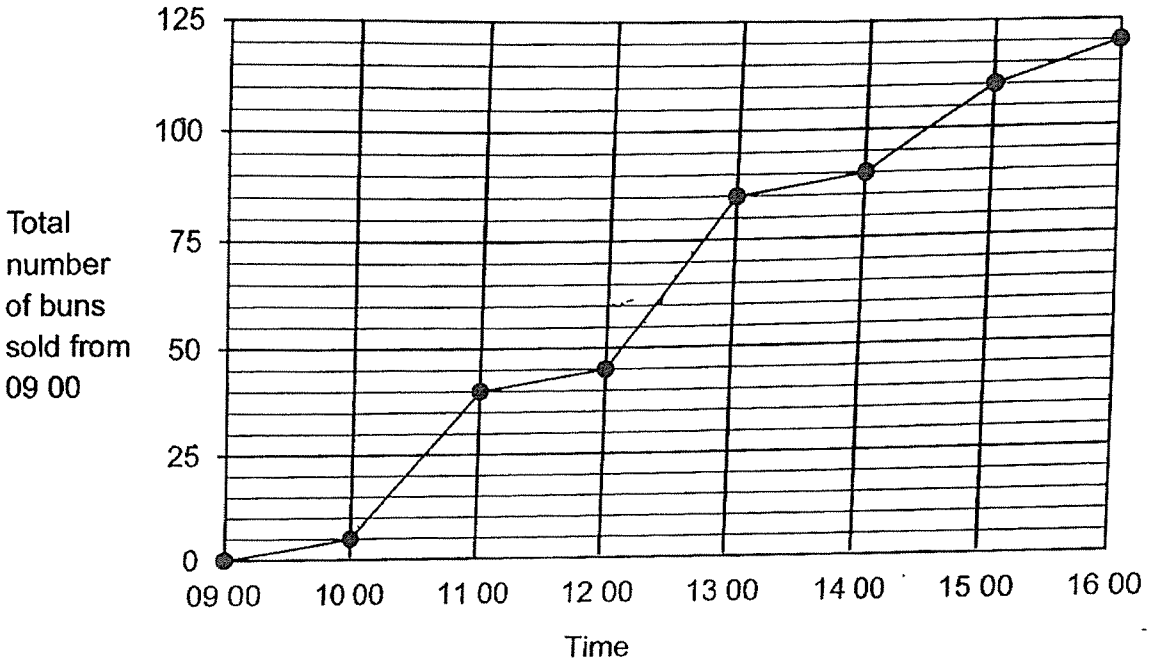
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6. Mrs Lim paid $53 for 5 mugs and 4 bowls. The cost of each bowl was $2 more than the cost of each mug. How much did Mrs Lim pay for the 5 mugs?

Ans:_____ [3]

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7. The line graph shows the total number of buns sold at a bakery from 09 00 to 16 00 on Monday. All the buns were sold out by 16 00.



(a) At what time did the bakery have 75% of its buns sold?

Ans: (a) _____ [2]

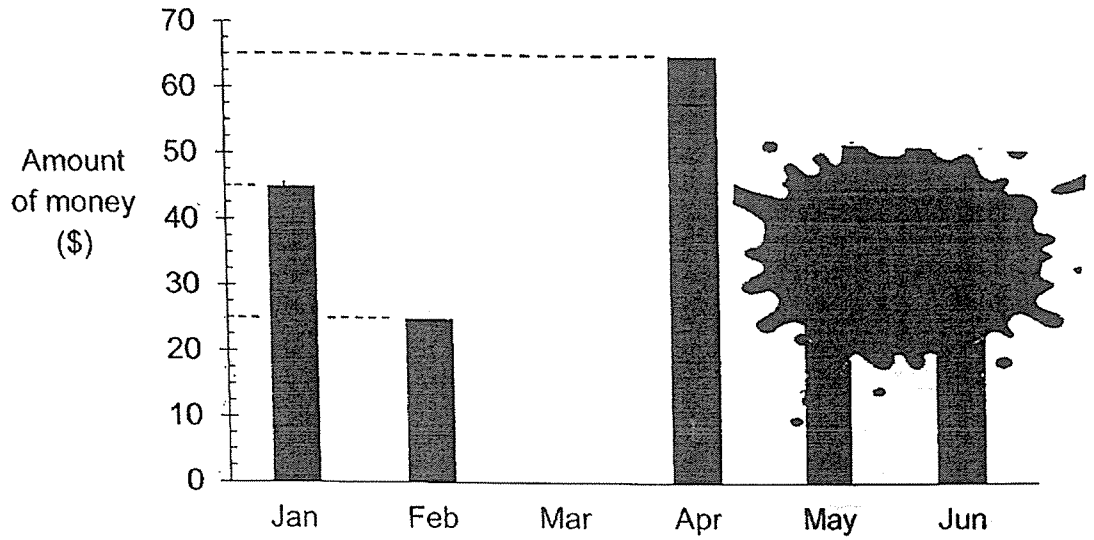
(b) During which one-hour interval was the greatest number of buns sold?
How many buns were sold during that one-hour interval?

Ans: (b) _____ to _____ [1]

_____ buns sold [1]

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8. The graph shows the amount of money Belinda saved from January to June. Part of the graph is covered by an ink blot. The total amount of money saved from April to June is twice as much as the total amount of money saved from January to February.



(a) What was the average amount of money Belinda saved from January to April?

Ans: (a)_____ [2]

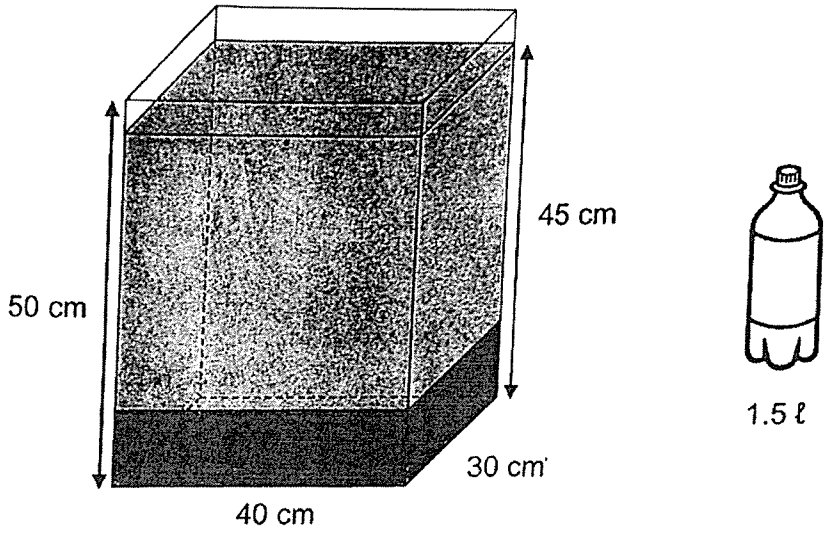
(b) Each statement is either true, false or not possible to tell from the information given. Put a tick (✓) to indicate your answer.

Statement	True	False	Not possible to tell
Belinda saved the most amount of money in April.			
Belinda saved $140 from April to June.			
Belinda saved an equal amount of money in May and June.			

[2]

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9. Mrs Tan needed to prepare some drinks for her dinner party. She poured rose syrup into an empty rectangular container until it was $\frac{1}{5}$ filled. Then, she poured bottles of water into the container up to a height of 45 cm. The volume of water in each bottle was 1.5 ℓ.



(a) How much rose syrup was poured into the container?

Ans: (a)_____ [1]

(b) How many bottles of water did Mrs Tan pour into the container?

Ans: (b)_____ [2]

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10. Amira baked some cookies in the morning. She gave $\frac{2}{7}$ of them to her neighbours and gave $\frac{1}{2}$ of the remaining cookies to her friends.

In the afternoon, Amira baked another 85 cookies. The number of cookies that she had in the end was 13 more than what she baked in the morning.

(a) What fraction of the cookies baked in the morning were given away?

Ans: (a)_____ [1]

(b) How many cookies did Amira bake altogether on that day?

Ans: (b)_____ [3]

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11. A box with 40 identical nails has a mass of 780 g. The same box with 30 identical batteries has a mass of 1.08 kg. The mass of each battery is twice the mass of each nail. Find the mass of the empty box in kilograms.

Ans: _____ [3]

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12. Adam, Ben and Calvin had a total of 540 marbles. Adam gave $\frac{1}{4}$ of his marbles to Ben. Then, Ben gave $\frac{1}{3}$ of his total number of marbles to Calvin. In the end, all the boys had the same number of marbles.

(a) How many marbles did each boy have in the end?

Ans: (a) _____ [1]

(b) How many marbles did Ben have at first?

Ans: (b) _____ [3]

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13. Siew Li and Mariam each had a roll of ribbon of the same length for making bows. The same length of ribbon was used for each bow. Siew Li made 30 bows and had 1.5 m of ribbon left. Mariam made 10 bows and had 8.5 m of ribbon left. How many bows could each girl make at most with the ribbon that she had?

Ans: _____ [3]

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14. The first five figures of a pattern are shown below.

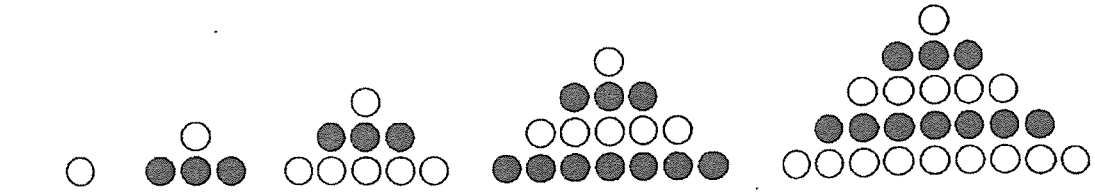


Figure 1 Figure 2 Figure 3 Figure 4 Figure 5

The table below shows the number of white and grey circles used for each figure.

Figure Number	1	2	3	4	5	6
Number of white circles	1	1	6	6	15	
Number of grey circles	0	3	3	10	10	
Total number of white and grey circles	1	4	9	16	25	

[1]

(a) Fill in the table for Figure 6

(b) What is the total number of white and grey circles in Figure 50?

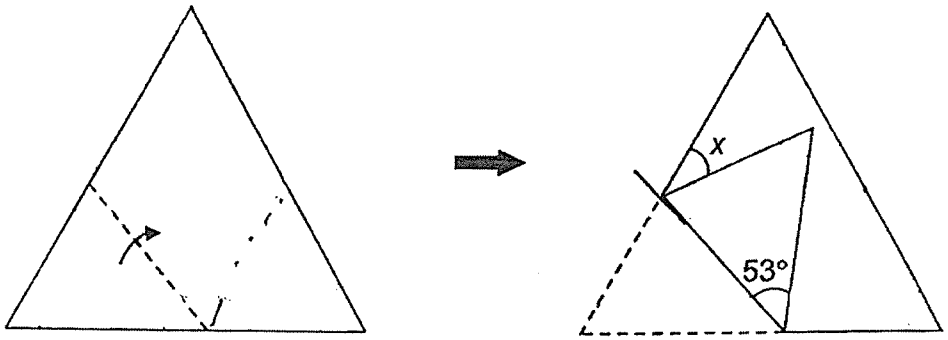
Ans: (b)_____ [1]

(c) In Figure 50, what fraction of the circles are grey? Give your answer in the simplest form.

Ans: (c)_____ [3]

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15. A piece of paper in the shape of an equilateral triangle is folded along the dotted line as shown. Find $\angle x$.



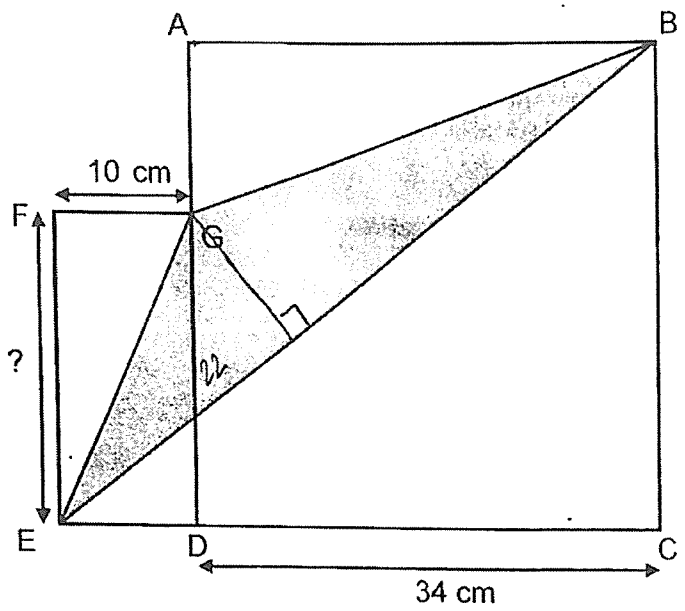
Before folding

After folding

Ans: _____ [3]

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16. The figure is made up of a square and a rectangle. The perimeter of Square ABCD is 72 cm longer than the perimeter of Rectangle DEFG.



(a) What is the length of FE?

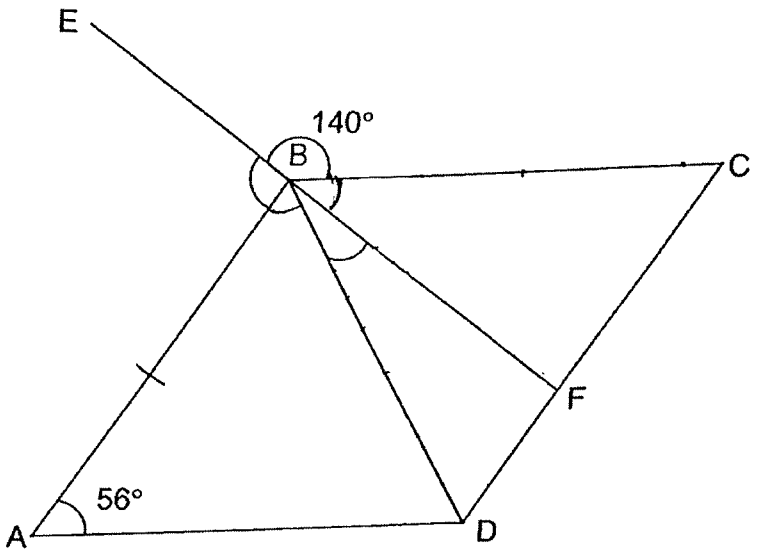
Ans: (a)_____ [2]

(b) What is the area of the shaded part?

Ans: (b)_____ [3]

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17. ABCD is a rhombus and EBF is a straight line.



(a) Find ∠ABE.

Ans: (a)_____ [2]

(b) Find ∠DBF.

Ans: (b)_____ [2]

End of Paper

☺ Please check your work carefully ☺

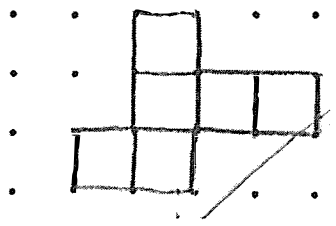
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SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATHEMATICS
TERM : 2023 SA2

PAPER 1 (BOOKLET A)

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

PAPER 1 (BOOKLET B)

Q16	12, 24
Q17	36
Q18	0.57 ℓ
Q19	$\frac{8}{27}$
Q20	63°
Q21a	240
Q21b	8 min
Q22	1 h 45 min
Q23a	16
Q23b	
Q24a	3 : 4 : 7
Q24b	28
Q25	6
Q26	6300
Q27a	H
Q27b	G

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Q28	360 ml
Q29	$27
Q30a	53°
Q30b	PQRU is not a parallelogram because PQ is not parallel to UR.

PAPER 2

Q1	4u = 24 1u = 6 11u = 11 x 6 = 66cm^2
Q2	$\frac{80}{210}$ x 100% = 38.10%
Q3a	A
Q3b	20
Q4	$5\frac{4}{5}$ x 7 x 2 = $81\frac{1}{5}$ km
Q5	1.3 kg = 1300g 1300 ÷ 100 = 13 13 x $0.80 = $10.40
Q6	4 x $2 = $8 $53 – 8 = $45 $45 ÷ 9 = $5 $5 x 5 = $25
Q7a	1400
Q7b	1200 to 1300 40 buns sold
Q8a	$45 + $25 +$0 + $65 = $135 $135 ÷ 4 = $33.75
Q8b	True, Ture, Not possible to tell
Q9a	$\frac{1}{5}$ x 40 x 30 x 50 = 12000ml = 12L
Q9b	45 x 40 x 30 = 54000ml 54000 – 12000 = 42000ml = 42L 42 ÷ 1.5 = 28
Q10a	Total units for morning = 14u Given to neighbours = 4u Given to friends = (14u – 4u) ÷ 2 = 5u Fraction given away = $\frac{9}{14}$

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Q10b	85 - 13 = 72 72 ÷ 9 = 8 (14 x 8) + 85 = **197**
Q11	20u = 1.08 kg - 0.78 kg = 0.3 kg 1u = 0.015 kg 40u = 0.015 kg x 40 = 0.6 kg 0.78 kg - 0.6 kg = **0.18 kg**
Q12a	540 ÷ 3 = **180**
Q12b	No. of marbles A gave to B = 60 No. of marbles B gave to C = 90 Marbles B had at first = 180 + 90 - 60 = **210**
Q13	Length of ribbon used for 20 bows = 8.5 m - 1.5 m = 7 m Length of each bow = 7 m ÷ 20 = 0.35 m 1.50 m ÷ 0.35m ≈ 4.2 = 4 30 + 4 = **34**
Q14a	White circles = **15**, grey circles = **21**, total = **36**
Q14b	50 x 50 = **2500**
Q14c	Difference between grey and white circles = figure number 2500 - 50 = 2450 2450 ÷ 2 = 1225 1225 + 50 = 1275 $\frac{1275}{2500} = \frac{\mathbf{51}}{\mathbf{100}}$
Q15	180° - 60° - 53° = 67° 180° - 67° - 67° = **46°**
Q16a	136 - 72 = 64 64 - 10 - 10 = 44 44 ÷ 2 = **22 cm**
Q16b	Area of square = 34 x 34 = 1156 cm^2 Area of rectangle = 22 x 10 = 220 cm^2 Area of △EFG = 0.5 x 22 x 10 = 110 cm^2 Area of △ABG = 0.5 x 12 x 34 = 204 cm^2 Area of △BCE = 0.5 x 44 x 34 = 748 cm^2 Area of shaded part = (1156 + 220) - (110 + 204 + 748) = **314 cm^2**
Q17a	∠ABC = 180° - 56° = 124° ∠ABE = 360° - 140° - 124° = **96°**
Q17b	∠ABD = (180° - 56°) ÷ 2 = 62° ∠DBF = 180° - 96° - 62° = **22°**

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