RULANG PRIMARY SCHOOL

Nurturing Competencies, Inspiring Excellence, Empowering Individuals
Scholars of Tomorrow

Established since 1930

Name : _____ _____ ( )

Level : Primary Four

Class : Primary 4 ____

Date : 28 October 2022

Setters : Mrs Harcharn Gill and Mrs Ng Pui Lai

END OF YEAR EXAMINATION
2022
MATHEMATICS

PAPER 1

60

TOTAL TIME FOR PAPER 1: 1 hour
30 questions
60 marks

- **DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**
- **READ ALL THE INSTRUCTIONS CAREFULLY.**
- **ANSWER ALL THE QUESTIONS.**

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Questions **1** to **10** 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)**

1. 46 thousands and 2 tens is the same as _____

   (1) 462

   (2) 4620

   (3) 46 002

   (4) 46 020

2. Which one of the following is a factor of both 12 and 56?

   (1) 12

   (2) 9

   (3) 8

   (4) 4

3. Write $8\frac{7}{25}$ as a decimal.

   (1) 8.725

   (2) 8.7

   (3) 8.28

   (4) 8.028

4. Which number below is 2.1 less than 5.83?

   (1) 3.73

   (2) 5.62

   (3) 6.04

   (4) 7.93

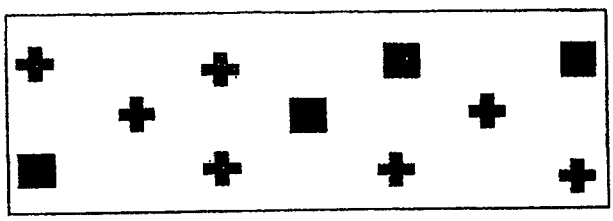
5. What fraction of the shapes in the box are ✚?

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

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

   (3) $\frac{7}{11}$

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



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6. Which one of the following is **not** an equivalent fraction of $\frac{1}{4}$?

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

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

(3) $\frac{4}{16}$

(4) $\frac{6}{20}$

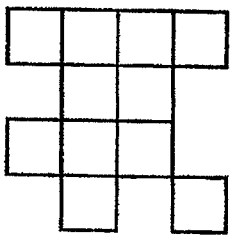
7. The figure below is made up of eleven 1-cm squares. What is the perimeter of the figure?

(1) 11 cm

(2) 20 cm

(3) 22 cm

(4) 32 cm



8. What time is 25 minutes before midnight?

(1) 00 25

(2) 00 35

(3) 23 25

(4) 23 35

9. The table below shows the number of mobile phones sold by 3 companies.
How many mobile phones were sold by Company B in March?

Month	Company A	Company B	Company C	Total
January	51	27	42	120
February	40	66	36	142
March	48	?	21	118

(1) 49

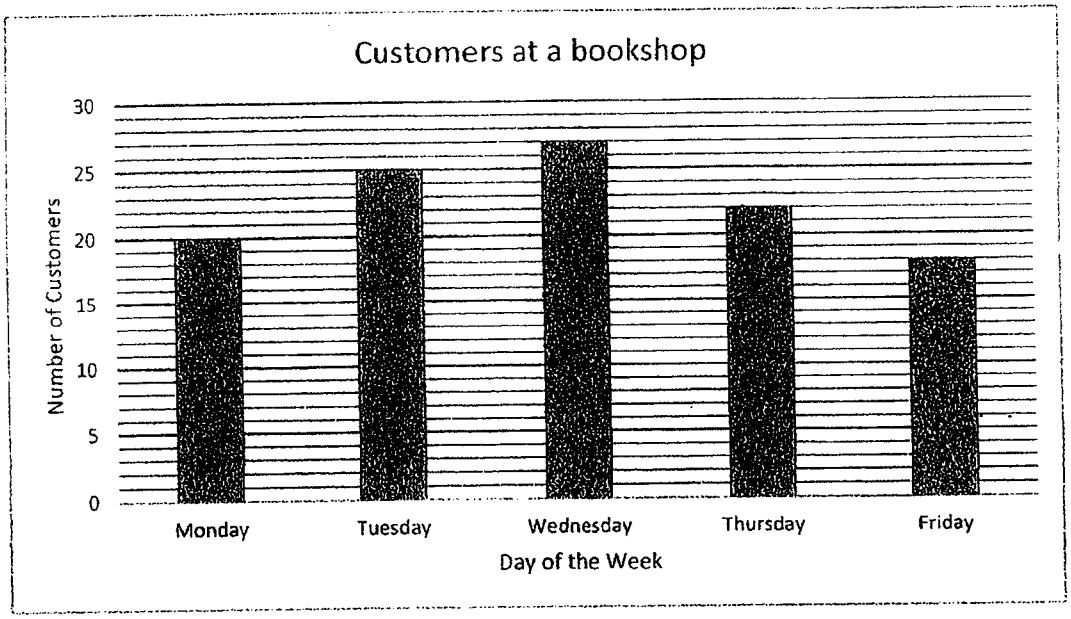
(2) 69

(3) 93

(4) 97

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10. The bar graph below shows the number of customers at a bookshop.
How many more customers were there on Tuesday than on Friday?



(1) 5

(2) 7

(3) 3

(4) 9

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Questions **11** to **30** 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)

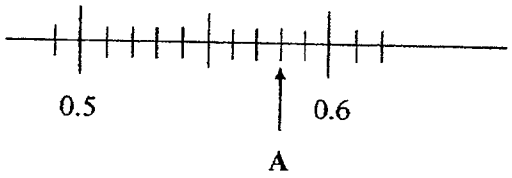
11. Some factors of 63 are 1, 3, 7 and 63.
What are the other two factors of 63?

Ans: _____ and _____

12. Find the product of 2369 and 4.

Ans: _____

13. Write the decimal represented by A.



Ans: _____

14. Find the value of 3.29×6.

Ans: _____

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15. How many one-eighths are there in 1 whole?

Ans: _____ _____

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

$\frac{2}{5}$, $\frac{3}{6}$, $\frac{4}{7}$, $\frac{5}{11}$

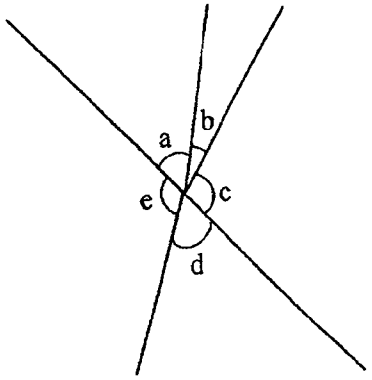
Ans: _____ and _____

17. What is the value of $\frac{9}{10} + \frac{4}{5}$?

Express your answer as a mixed number.

Ans: _____ _____

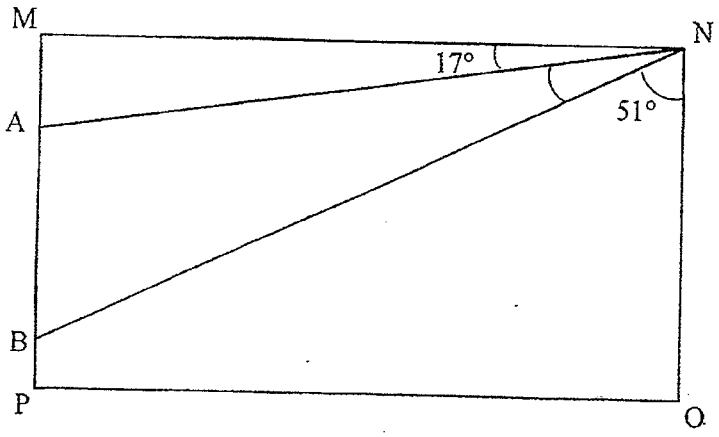
18. In the figure below, name the two angles that are greater than 90°.



Ans: ∠ _____ and ∠ _____

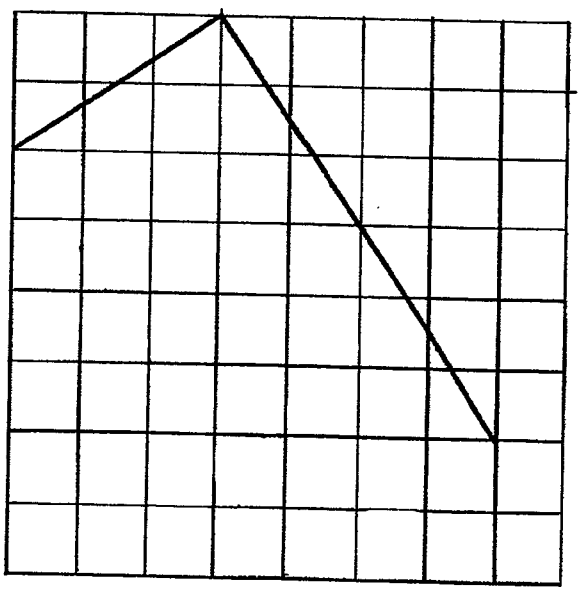
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19. In the figure shown below, MNOP is a rectangle. Find ∠ANB.



Ans: _____

20. 2 sides of a rectangle are drawn on the square grid below. Complete the drawing of the rectangle on the square grid.



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21. Damien is facing East. He makes a $\frac{3}{4}$-turn in the clockwise direction. Which direction is Damien facing after making the turn?

Ans: _____

22. Use all the digits below to form the smallest 5-digit odd number. Each digit can only be used once.

8	3	0	7	4

Ans: _____

23. Divide 8094 by 7. The quotient is [?] with a remainder of [?].
What are the missing numbers in the boxes above?

Ans: Quotient: _____

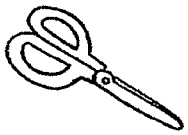
Remainder: _____

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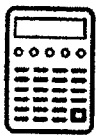
24. Express 3.08 as a mixed number in its simplest form.

Ans: _____

25. Eve bought the following items from the bookshop. How much did she spend in total? Give your answer to the nearest dollar.



$4.05



$8.60

Ans: $ _____

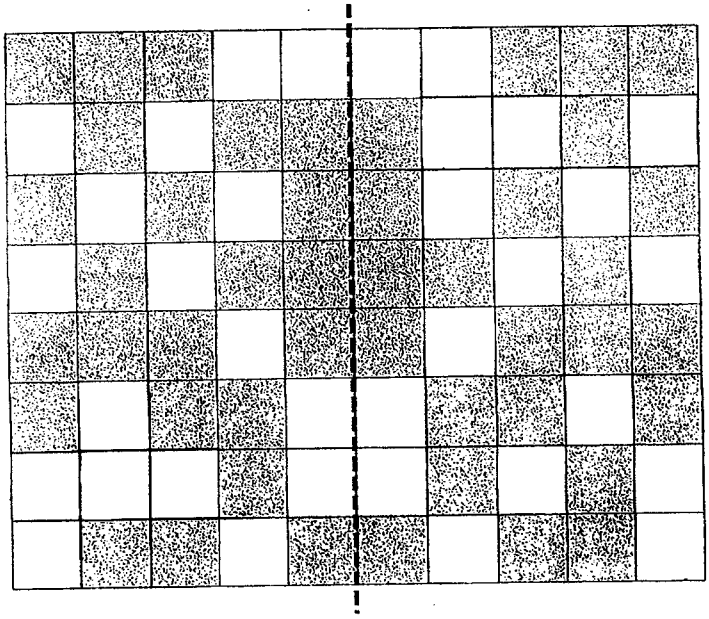
26. How many of the letters below are symmetric?

P V H S M

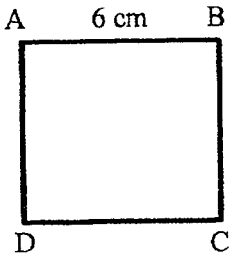
Ans: _____

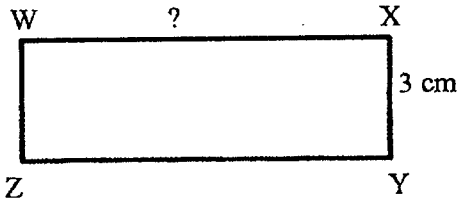
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27. In the square grid below, the dotted line is the line of symmetry. Complete the symmetric pattern by shading the least number of squares needed on the square grid.



28. The area of square ABCD is the same as the area of rectangle WXYZ. What is the length of WX?

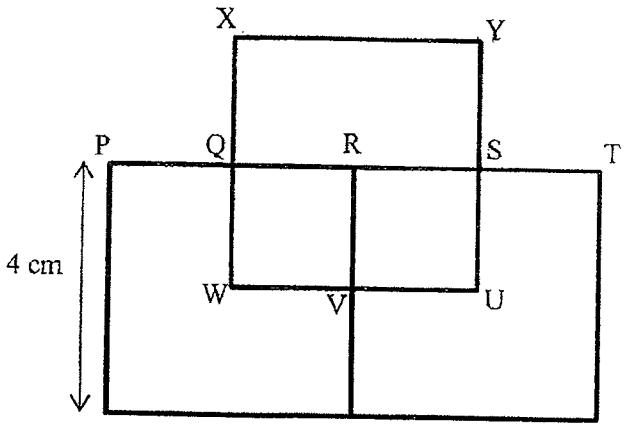




Ans: _____ cm

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29. The figure below is made up of 3 identical squares. PQRST is a straight line. PQ = QR = RS = ST = UV = VW = QW = QX = VR = SU. Find the perimeter of the figure.



Ans: _____ _____ cm

30. Glen left his house at 07 45. He took 35 minutes to reach the library. He had to wait 10 minutes for the library to open. What time did the library open? Express your answer using the 24-hour clock.

Ans: _____ _____

End of Paper 1

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Established since 1930

Name : _____ ( )

Level : Primary Four

Class : Primary 4

Date : 28 October 2022

Setters : Mrs Harcharn Gill and Mrs Ng Pui Lai

Total Marks
Papers 1 & 2

100

END OF YEAR EXAMINATION
2022
MATHEMATICS

PAPER 2

40

TOTAL TIME FOR PAPER 2: 1 hour
16 questions
40 marks

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Questions 1 to 10 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.

(20 marks)

1. There are 700 sweets in a container when rounded to the nearest hundred. What is the greatest possible number of sweets in the container?

Ans: _____

2. What is the sixth multiple of 7?

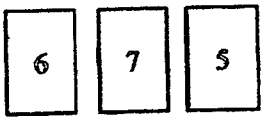
Ans: _____

3. $814 \times 37 =$?

What is the missing number in the box above?

Ans: _____

4. Using the 3 digits shown below, Peter formed a number with 2 decimal places. The number became 6 when he rounded it to the nearest whole number. What could be a possible number that he had formed?



Ans: _____

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5. A table is 5 times as heavy as a chair. Three chairs and one table weigh 73.36 kg. What is the mass of one chair?

Ans: _____ kg

6. Sonia ate $\frac{2}{7}$ of a cake. Lucas ate $\frac{2}{5}$ of the same cake. What fraction of the cake did Lucas eat more than Sonia?

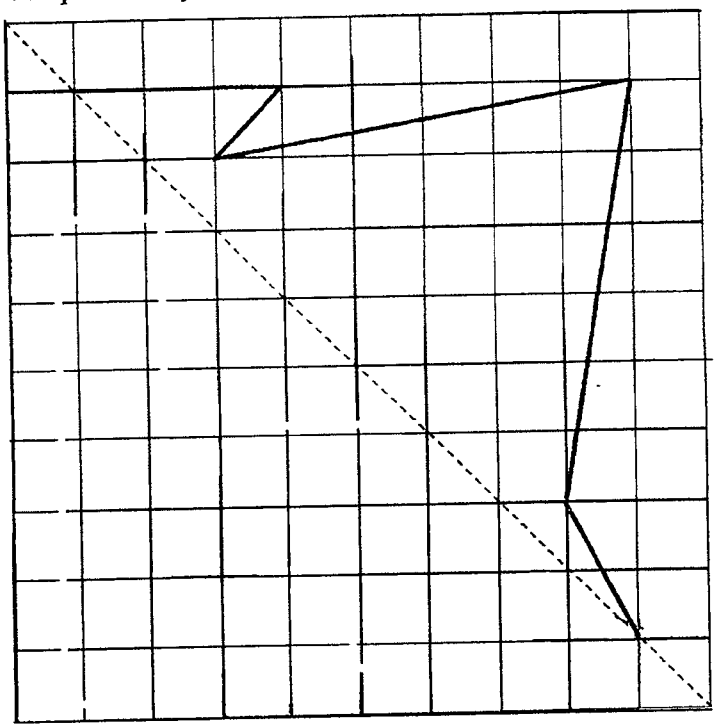
Ans: _____

7. Sam took 2 h 20 min to complete his homework. He completed it at 8.25 p.m. At what time did Sam start doing his homework? Express your answer using the 24-hour clock.

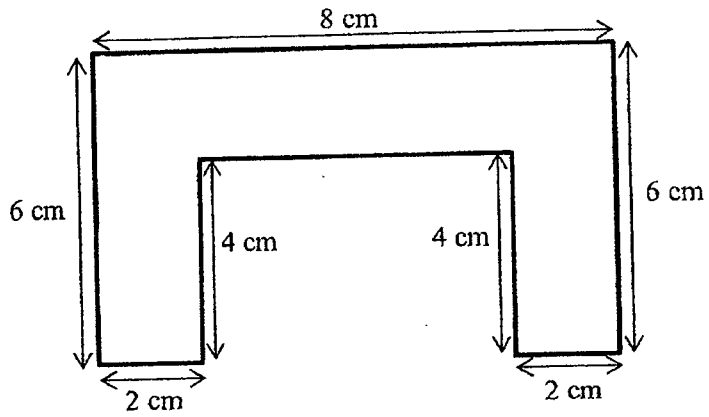
Ans: _____

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8. Complete the symmetric figure below with the dotted line as a line of symmetry.



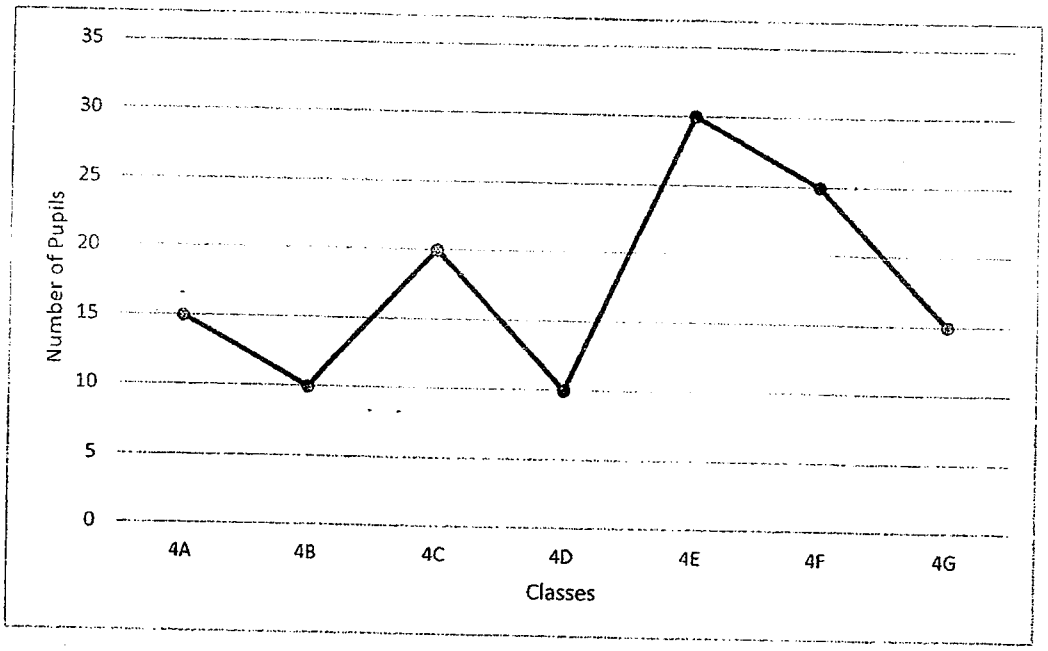
9. Find the area of the figure shown below. (All lines meet at right angles.)



Ans: _____ cm^2

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10. The line graph below shows the number of Primary 4 pupils who own bicycles.



How many more pupils in 4F own bicycles than in 4A?

Ans: _____

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For questions **11** to **16**, 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)

11. In a student care centre, the windows are wiped every 3 days and the fans are wiped every 9 days. Both the windows and the fans were wiped on the last day of June. On how many occasions were the windows and fans wiped together on the same day in July?

Ans: _____ [3]

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12. Mr Tan went on a cruise with his wife and 4 children. A child ticket cost $170 less than an adult ticket. He paid $1600 for all the tickets. What was the cost of a child ticket?

Ans: _____ [3]

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13. David's water bottle was $\frac{7}{12}$ filled with water. After he had drunk 270 *ml* of water from the bottle, it became $\frac{1}{3}$ full. What was the capacity of David's water bottle?

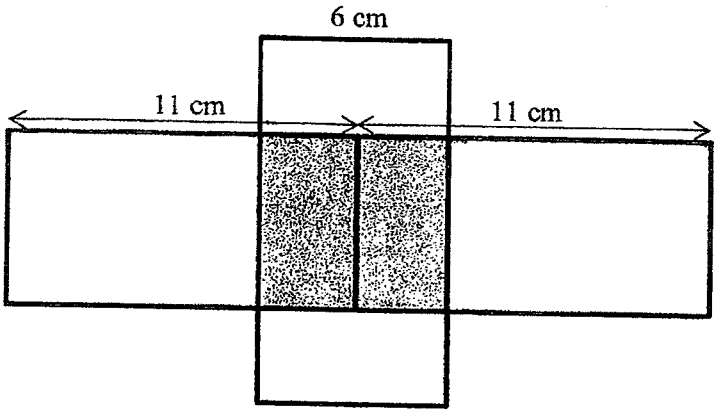
Ans: _____ [3]

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14. 3 identical rectangles of length 11 cm and breadth 6 cm are placed as shown in the figure below. One of the rectangles overlaps the other 2 rectangles.

(a) Find the area of the shaded part.

(b) Find the area of the unshaded part.

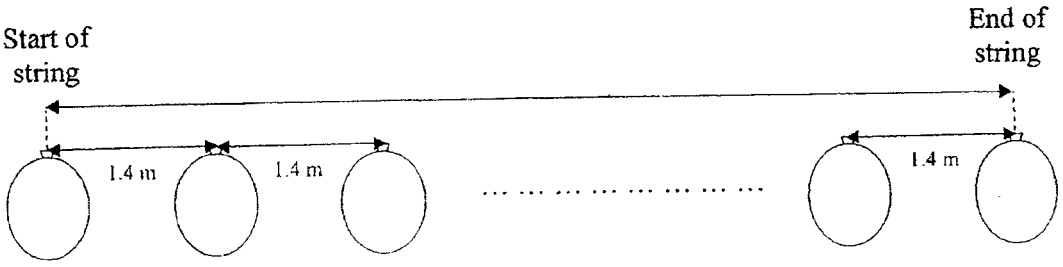


Ans: (a) _____ [1]

(b) _____ [2]

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15. 8 balloons were hung on a string, 1.4 m, apart from each other.



The next day, 3 balloons burst. The remaining balloons were rearranged so that they had an equal spacing between them.

(a) What was the length of the string?

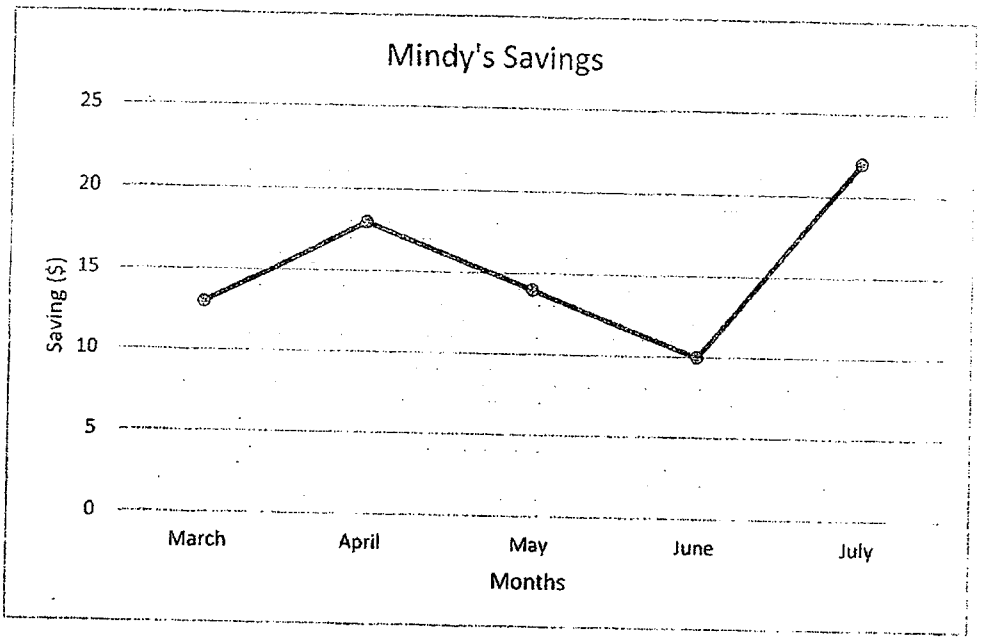
(b) What was the new spacing between 2 balloons? Give your answer in centimetres.

Ans: (a) _____ [2]

(b) _____ [2]

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16. The line graph below shows Mindy's savings from March to July.



(a) What was the difference between her savings in April and June?
(b) What was her total savings from March to July?
(c) What fraction of her total savings from March to July was her savings in July? Give your answer in its simplest form.

Ans: (a) _____ [1]

(b) _____ [2]

(c) _____ [1]

End-of-Paper

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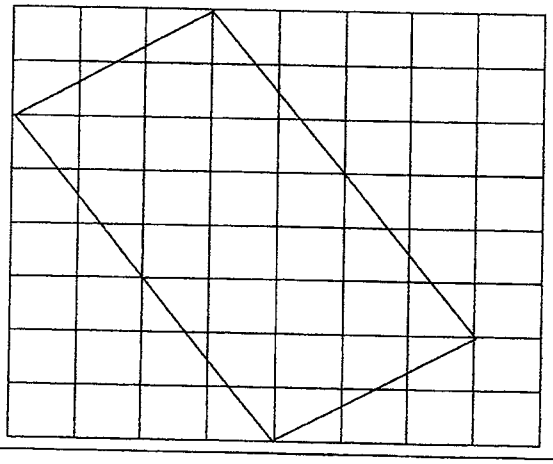
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SCHOOL : RULANG PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : 2022 SA2

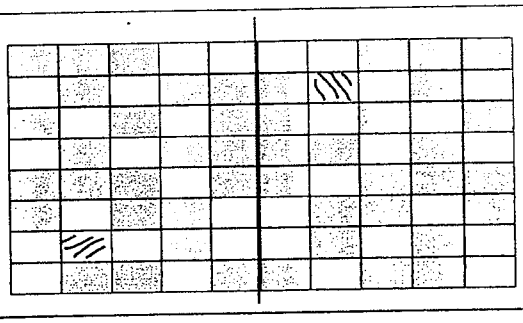
PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	4	3	1	3	4	3	4	1	2

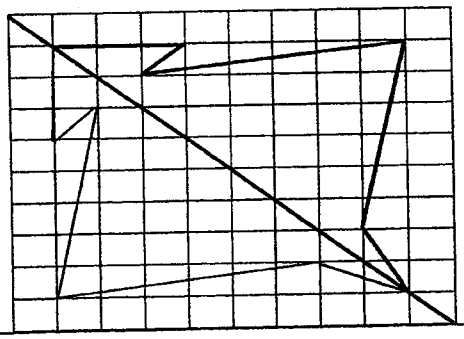
PAPER 1 BOOKLET B

Q11)	21 and 9
Q12)	9476
Q13)	0.58
Q14)	19.74
Q15)	8
Q16)	$\frac{2}{5}$ and $\frac{5}{11}$
Q17)	$1\frac{7}{10}$
Q18)	$< c \; and \; < e$
Q19)	$17 + 51 = 68$ $90 - 68 = 32°$
Q20)	

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Q21)	North
Q22)	30487
Q23)	Quotient: 1156 Remainder: 2
Q24)	$3\frac{2}{25}$
Q25)	$\$4.05 + \$8.60 = \$12.65$ $\$12.65 \approx \$13$
Q26)	3
Q27)	
Q28)	$6 \times 6 = 36$ $36 \div 3 = 12\text{cm}$
Q29)	$4 + 2 + 2 + 4 + 2 + 2 + 4 + 8 = 28\text{cm}$
Q30)	0830

PAPER 2

Q1)	749
Q2)	42
Q3)	30118
Q4)	5.76
Q5)	$73.36 \div 8 = 9.17\text{kg}$
Q6)	$\frac{4}{35}$
Q7)	1805
Q8)	

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Q9)	$6 - 4 = 2$ $8 \times 2 = 16$ $4 \times 2 = 8$ $16 + 8 + 8 = 32cm^2$
Q10)	$25 - 15 = 10$
Q11)	3
Q12)	$170 \times 4 = 680$ $1600 + 680 = 2280$ $2280 \div 6 = 380$ $380 - 170 = \$210$
Q13)	$270 \div 3 = 90$ $90 \times 12 = 1080m\ell$
Q14)	a) $6 \times 6 = 36cm^2$ b) $6 \times 11 = 66$ $66 \times 3 = 198$ $198 - 36 - 36 = 126cm^2$
Q15)	a) $8 - 1 = 7$ $7 \times 1.4 = 9.8$m b) $8 - 3 = 5$ $5 - 1 = 4$ $9.8 \div 4 = 2.45$m $= 245$cm
Q16)	a) $18 - 10 = \$8$ b) $13 + 18 + 14 + 10 + 22 = \$77$ c) $\frac{2}{7}$

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