MARIS STELLA HIGH SCHOOL (PRIMARY)

END-OF-YEAR EXAMINATION

PRIMARY 4 MATHEMATICS

28 OCTOBER 2022

BOOKLET A

20 questions

40 marks

Total time for Booklets A and B: 1 h 45 min

NAME :_____( )

CLASS : PRIMARY 4 _____

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FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

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Section A (20 x 2 = 40 marks)

For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

---

1. 50 000 + 2000 + 90 + 8 = _____

   (1) 52 980
   (2) 52 908
   (3) 52 098
   (4) 50 298

2. 56 is **not** a multiple of _____.

   (1) 9
   (2) 8
   (3) 7
   (4) 4

3. The digit 7 in 6.017 stands for 7 _____.

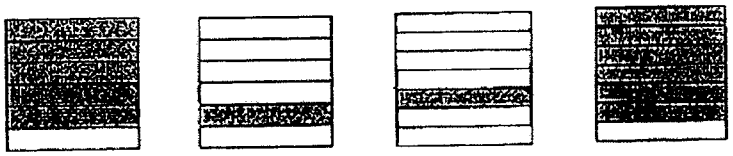
   (1) ones
   (2) tenths
   (3) hundredths
   (4) thousandths

4. Write $4\frac{7}{50}$ as a decimal.

   (1) 4.75
   (2) 4.7
   (3) 4.14
   (4) 4.014

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5. Which one of the following has $\frac{1}{6}$ of the figure shaded?



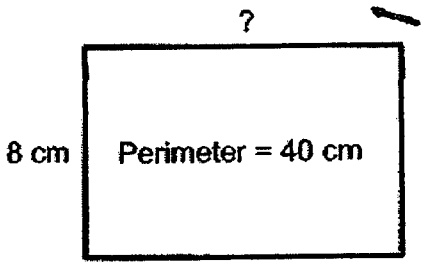
(1) (2) (3) (4)

6. $9\frac{3}{4} = \frac{\square}{4}$

What is the missing number in the box?

(1) 27
(2) 33
(3) 36
(4) 39

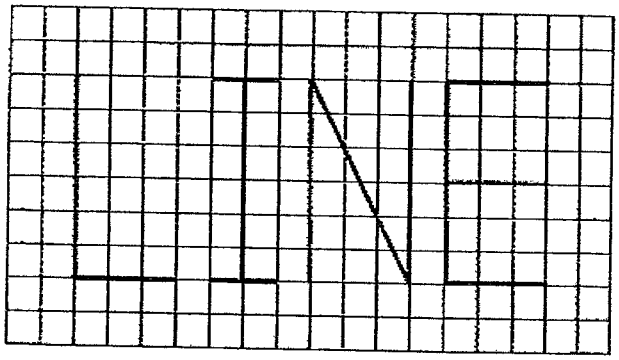
7. The perimeter of the rectangle is 40 cm. Its breadth is 8 cm. Find its length.



(1) 5 cm
(2) 12 cm
(3) 16 cm
(4) 24 cm

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8. Four letters are shown on a square grid below. How many letters have at least one line of symmetry?



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

9. Matthew and Paul had $348 altogether. After Paul gave $33 to Matthew, they each had an equal amount of money. How much did Paul have at first?

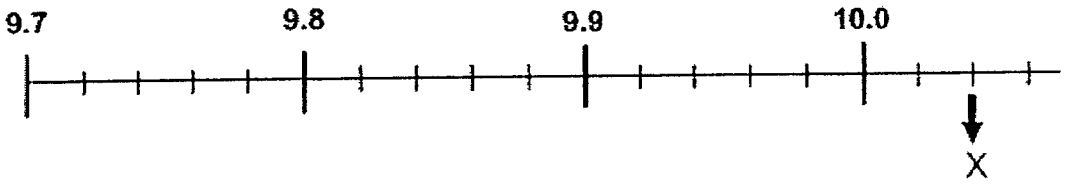
(1) $141
(2) $174
(3) $207
(4) $282

10. How many 4-digit numbers which are smaller than 5000 can be formed using the digits 9, 3, 7 and 0?

(1) 18
(2) 12
(3) 3
(4) 6

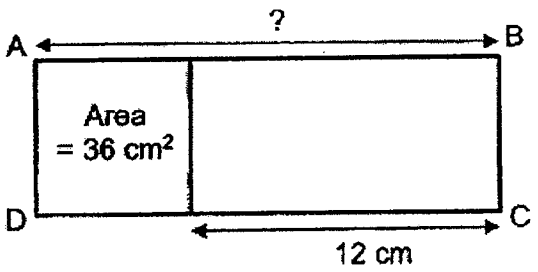
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11. What is the value of the reading at X?



(1) 10.02
(2) 10.04
(3) 10.2
(4) 10.4

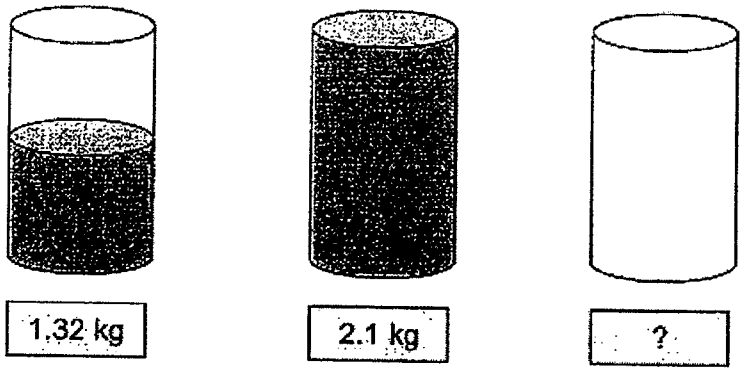
12. The following figure is made up of a square and a rectangle. The area of the square is 36 cm^2. What is the length of AB?



(1) 6 cm
(2) 9 cm
(3) 18 cm
(4) 21 cm

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13. When a container is half-filled with water, it weighs 1.32 kg. When the container is completely filled with water, it weighs 2.1 kg. How heavy is the empty container?



(1) 0.1 kg
(2) 0.21 kg
(3) 0.54 kg
(4) 0.78 kg

14. The table below shows the duration of different activities held at the community club.

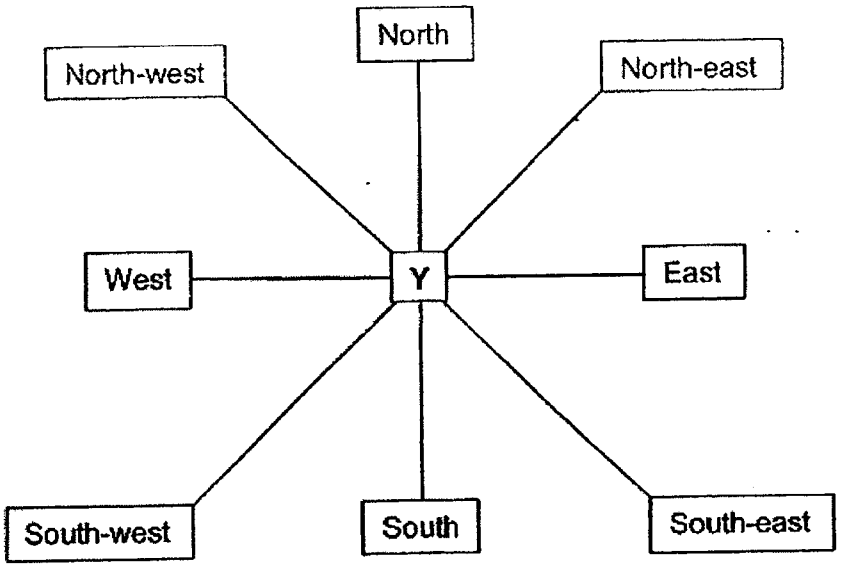
Activity	Duration
Cupcake decorating	35 min
Candle making	1 h 25 min
Wushu	1 h 35 min
Speech and drama	2 h 25 min

Lisa started an activity at 10 35 and ended at 12 10. Which activity did she participate at the community club?

(1) Cupcake decorating
(2) Candle making
(3) Wushu
(4) Speech and drama

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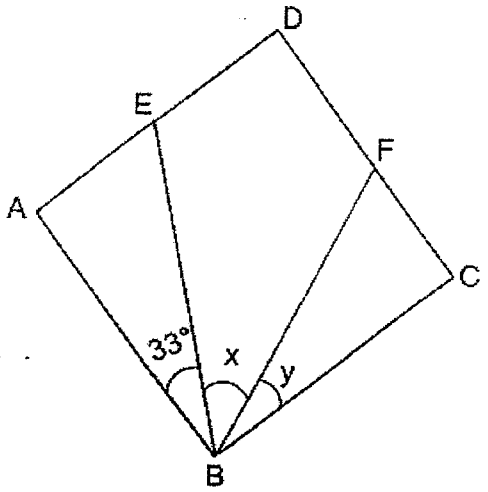
15. Min Jie is standing at point Y and facing South-east. He turns 225° anti-clockwise, then he makes a $\frac{3}{4}$- turn in a clockwise direction. Which direction is he facing in the end?



(1) North
(2) South
(3) East
(4) West

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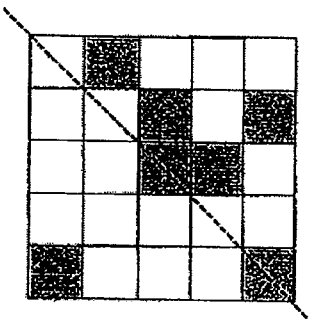
16. The following figure shows a square ABCD.
$\angle ABE = 33°$ and $\angle x$ is twice of $\angle y$.



Find $\angle x$.

(1) 19°
(2) 22°
(3) 38°
(4) 57°

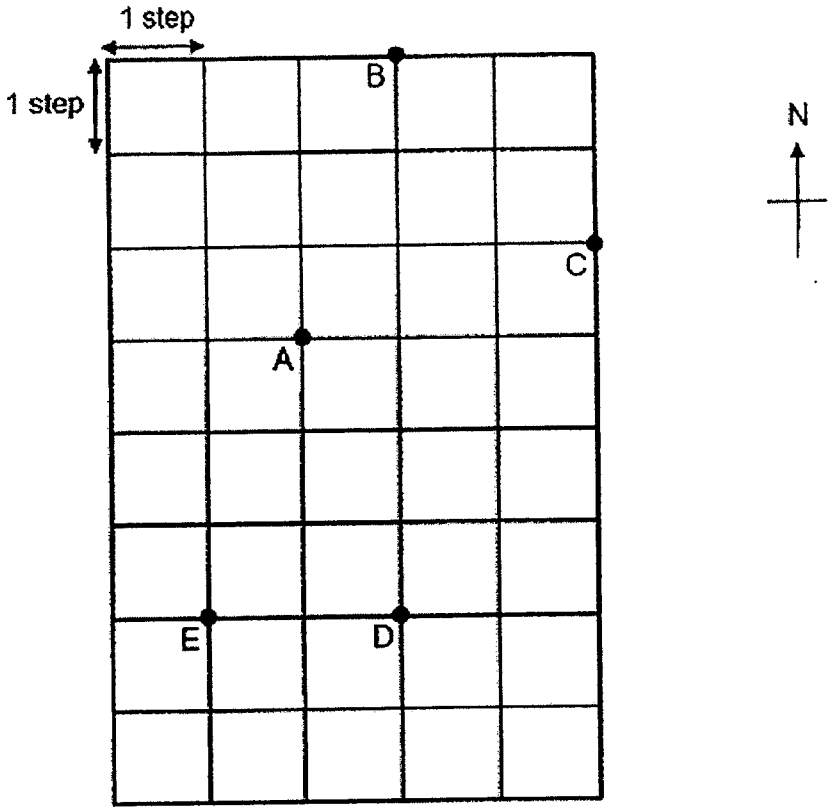
17. Given the line of symmetry, what is the least number of squares that must be shaded to complete the symmetric figure?



(1) 5
(2) 6
(3) 3
(4) 4

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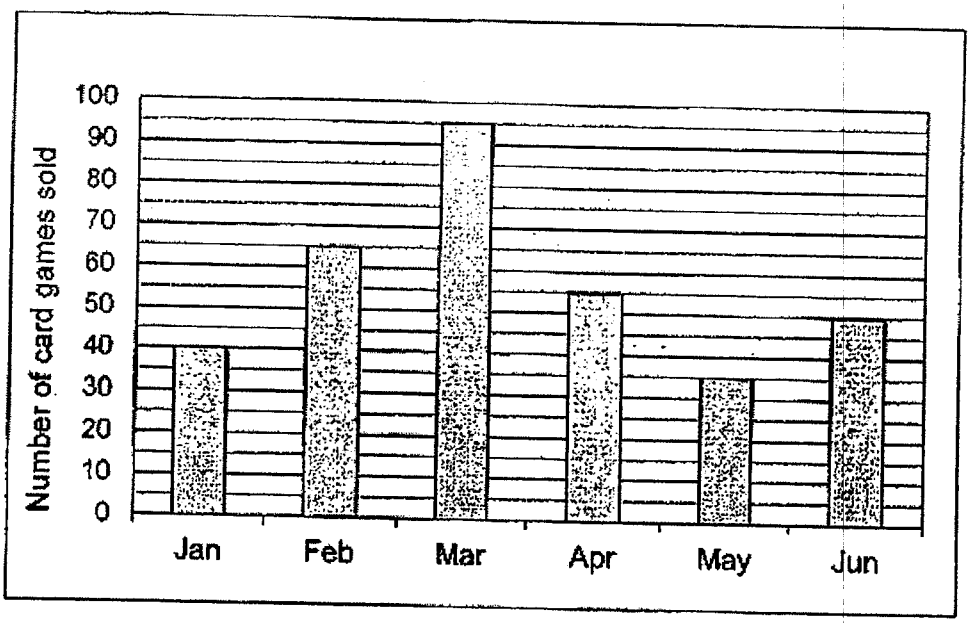
18. Dean has to walk one step to the East and three steps to the North to reach Point A. Where is he now?



(1) E
(2) B
(3) C
(4) D

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The bar graph below shows the number of card games sold from Jan to Jun. Study the graph carefully and use it to answer Questions **19** and **20**.



19. In which 2 months were the sum of the number of card games sold the same as the number of card games sold in March?

(1) Apr and May
(2) Feb and May
(3) Jan and Apr
(4) Jan and Jun

20. The price of a set of card game was $48. How much money was collected from all the card games sold in May?

(1) $384
(2) $1440
(3) $1680
(4) $1920

End of Section A

Go on to Booklet B

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MARIS STELLA HIGH SCHOOL (PRIMARY)
END-OF-YEAR EXAMINATION
PRIMARY 4 MATHEMATICS
28 OCTOBER 2022
BOOKLET B

25 questions

60 marks

Total time for Booklets A and B: 1 h 45 min

NAME :_____( )

CLASS : PRIMARY 4 _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.

MARKS OBTAINED :

BOOKLET A: _____ / 40

BOOKLET B: _____ / 60

TOTAL : _____ / 100

Parent's Signature: _____

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Section B (20 x 2 = 40 marks)

Show your working clearly in the spaces below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

21. Round off 89 641 to the nearest hundred.

Answer: _____

Do not write in this space.

22. Subtract 536 from 822.

Answer: _____

23. Find the product of 2106 and 8.

Answer: _____

SCORE

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24. Arrange the following numbers in order from the greatest to the smallest.

1.207, 1.027, 1.702

Answer: _____, _____, _____
(greatest) (smallest)

Do not write in this space.

25. 18.07 ÷ 0.96 = _____

Answer: _____

26. $\frac{3}{8} = \frac{15}{\square}$

What is the missing number in the box?

Answer: _____

27. What is the value of $\frac{11}{12} \div \frac{1}{4}$? Express your answer as a mixed number.

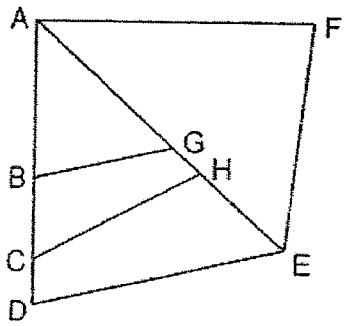
Answer: _____

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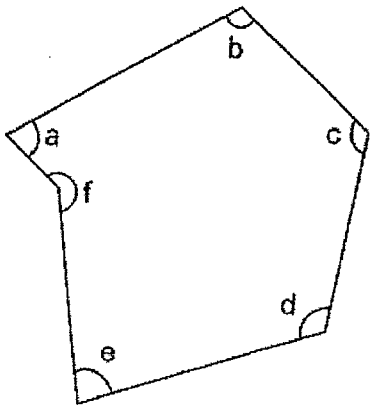
28. In the figure, one of the lines is parallel to DE. Which line is parallel to DE?



Answer: _____

Do not write in this space.

29. In the figure below, name the two angles that are smaller than 90°.



Answer: ∠____ and ∠____

30. Tom watched a movie. The movie lasted 1 h 55 min.
The movie ended at 00 20. What time did it start?
Give your answer in 24-hour clock.

Answer: _____

SCORE

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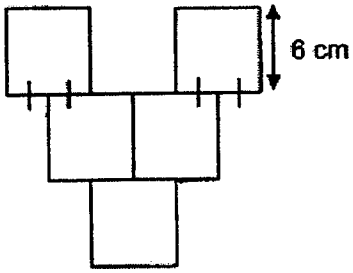
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31. Two factors of 39 are 1 and 39. What is the sum of all the factors of 39?

Do not write in this space.

Answer: _____

32. The figure below is made up of 5 identical squares. The side of each square is 6 cm. What is the perimeter of the figure?



Answer: _____ cm

33. The third multiple of a 1-digit number is 35 less than its eighth multiple. What is the 1-digit number?

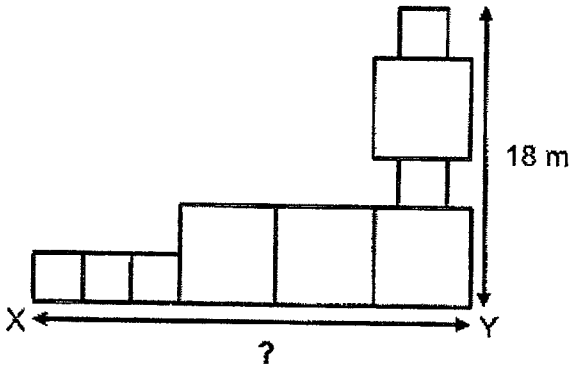
Answer: _____

SCORE

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34. The figure below is made up of squares of 2 different sizes.



What is the length of XY as shown in the figure?

Answer: _____ m

Do not write in this space.

35. Ron's mass is 39.8 kg. He is 27.35 kg lighter than his father. What is their total mass?

Answer: _____ kg

36. The length of a metal rod is 167.8 cm when rounded to 1 decimal place. What is the least possible length of the rod? Give your answer to 2 decimal places.

Answer: _____ cm

SCORE

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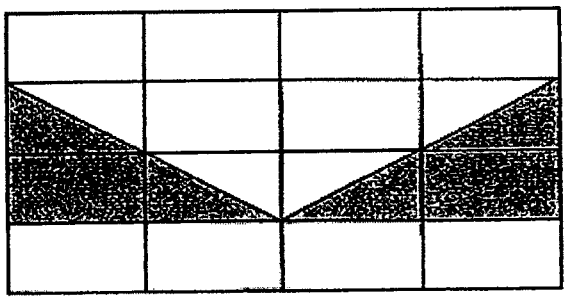
37. The table shows the amount of old newspapers collected by 4 classes over one week.

	Amount collected (kg)	
Class	Boys	Girls
6A	24	20
6B	14	11
6C	45	13
6D	32	25

Based on the information above, each of the following statements is either **True**, **False** or **Not possible to tell**. For each statement, put a tick (✓) in the correct column to indicate your answer.

Statement		True	False	Not Possible to tell
(a)	The girls collected less amount of old newspapers than the boys.			
(b)	The least amount would be collected by 6B if this activity continued for another week.			

38. The figure below is made up of 16 identical rectangles.
What fraction of the figure is shaded?
Express your answer in the simplest form.



Answer: _____

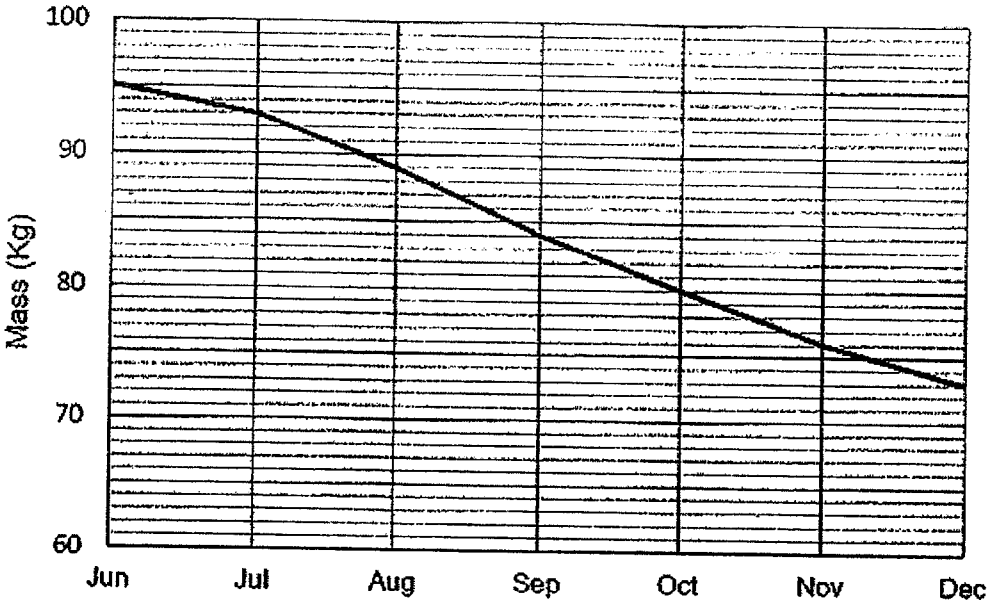
SCORE

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The line graph shows Mr David's mass from Jun to Dec. Study the graph carefully and answer Questions **39** and **40**.

Do not write in this space.



39. During which 1-month interval did Mr David lose the most mass?

Answer: From _____ to _____

40. How much mass did Mr David lose altogether in the 7 months?

Answer: _____ kg

SCORE

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Section C (5 x 4 = 20 marks)

Work out the answers for each of the following questions. All workings must be shown.

Do not write in this space.

41. An egg seller had 36 boxes of eggs. Each box contained 30 eggs. 82 eggs were broken and thrown away. The remaining eggs were repacked into cartons of 8 eggs each.

(a) How many eggs were unbroken?

(b) How many eggs were not packed into the cartons?

Answer: (a)_____ [2]

(b)_____ [2]

SCORE

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42. Terry had $392 and Willy had $47 at first. Their father gave each of them an equal amount of money. In the end, Terry had 6 times as much money as Willy. How much money did their father give to each of them?

Do not write in this space.

Answer: _____ [4]

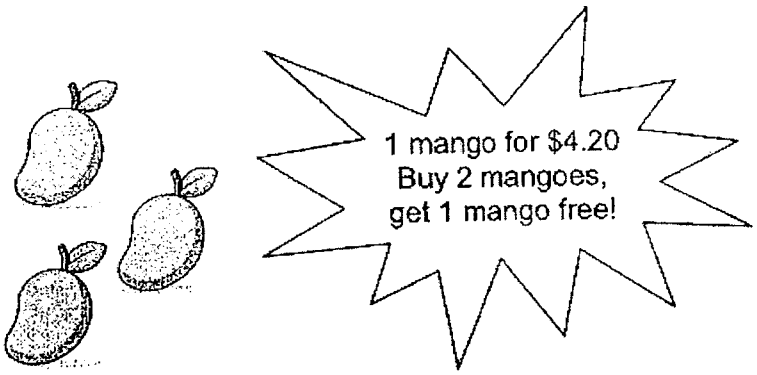
SCORE

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43. Mrs Lim bought some papayas and 12 mangoes.

Do not write in this space.



(a) How much did Mrs Lim pay for the 12 mangoes?

(b) Mrs Lim paid the cashier $100 for all the fruits and received $40.80 change. How much did all the fruits cost?

Answer: (a)_____ [2]

(b)_____ [2]

SCORE

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44. A baker baked 3 types of cakes.
$\frac{1}{3}$ of the cakes were chocolate cakes, $\frac{2}{9}$ of them were blueberry cakes and the remaining were butter cakes.

Do not write in this space.

(a) What fraction of the cakes were butter cakes?

(b) A total of 108 cakes were baked. Each cake was sold at $15.
How much money was collected when $\frac{1}{4}$ of the cakes baked were sold?

Answer: (a) _____ [2]

(b) _____ [2]

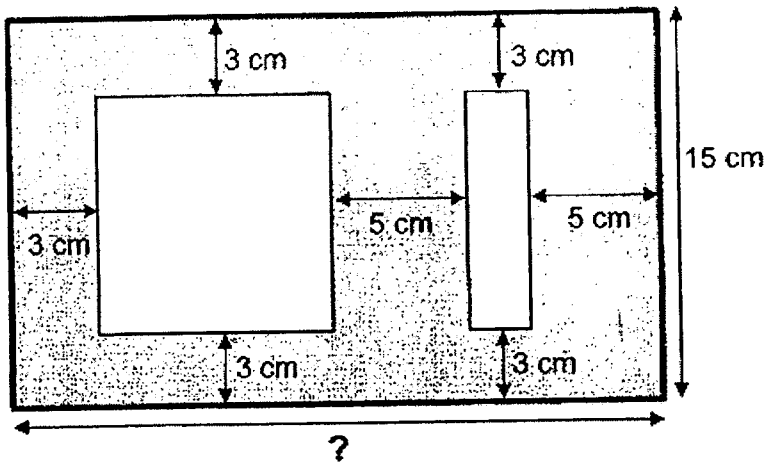
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45. A square and a rectangle were cut out from a piece of rectangular paper as shown below. The area of the rectangle that was cut out is 18 cm^2.

Do not write in this space.



Find the length of the rectangular paper.

Answer: _____ [4]

END OF PAPER

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SCHOOL : MARIS STELLA PRIMARY SCHOOL

LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2022 SA2

BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	1	4	3	2	4	2	2	3	4
Q 11	Q12	Q13	Q14	Q15	Q 16	Q17	Q18	Q19	Q20
2	3	3	3	2	3	1	1	3	3

BOOKLET B

Q21)	89600
Q22)	286
Q23)	16848
Q24)	1.702 , 1.207 , 1.027
Q25)	19.03
Q26)	40
Q27)	$1\frac{2}{12}$
Q28)	BG
Q29)	< a and < e
Q30)	2225
Q31)	56
Q32)	84 cm
Q33)	7
Q34)	27 m

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Q35)	106.95 kg
Q36)	167.75 cm
Q37)	a) True b) Not possible tell
Q38)	¼
Q39)	Aug to Sep
Q40)	22 kg
Q41)	a)998 b)6
Q42)	$22
Q43)	a)$33.60 b)$59.20
Q44)	a) $\frac{4}{9}$ b) $405
Q45)	24 cm

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