MARIS STELLA HIGH SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT 2

PRIMARY 4 MATHEMATICS

30 OCTOBER 2020

BOOKLET A

20 questions

40 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.

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.

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1. In which of the following numbers does the digit 8 stand for 800?

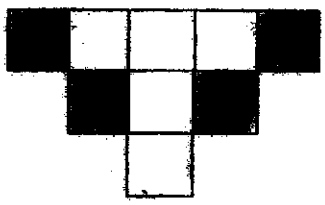
   (1) 4836
   (2) 6384
   (3) 6438
   (4) 8634

2. Which of the following numbers when rounded off to the nearest ten becomes 43 600?

   (1) 43 549
   (2) 43 595
   (3) 43 607
   (4) 43 663

3. The figure shown is made up of identical squares. What fraction of the figure is shaded?

   (1) $\frac{4}{5}$
   (2) $\frac{4}{9}$
   (3) $\frac{4}{10}$
   (4) $\frac{5}{9}$



4. How many one-fifths are there in 3 wholes?

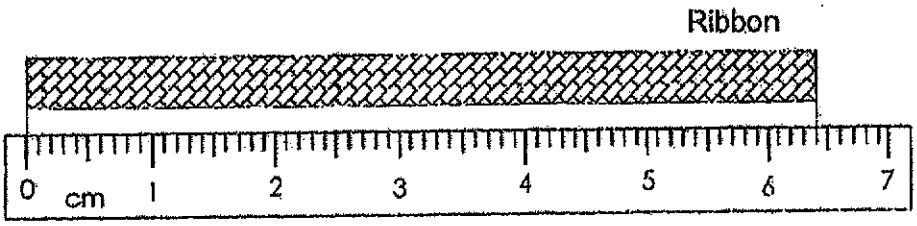
(1) $1\frac{2}{3}$

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

(3) 5

(4) 15

5. In the figure below, what is the length of the ribbon in cm?
Give your answer as a decimal.



(1) 6.2 cm

(2) 6.4 cm

(3) 7.4 cm

(4) 7.6 cm

6. Arrange the following decimals from the smallest to the greatest.

8.7, 0.87, 8.07, 0.78

(smallest) (greatest)

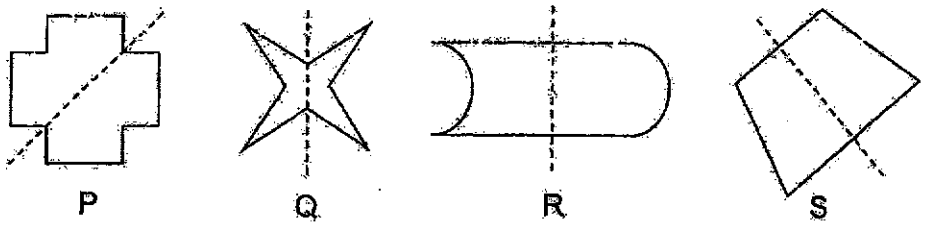
(1) 0.78, 0.87 8.7, 8.07

(2) 0.87, 0.78, 8.07, 8.7

(3) 0.78, 0.87, 8.07, 8.7

(4) 0.87, 0.78, 8.7, 8.07

7. A line of symmetry was drawn on each of the figures below.

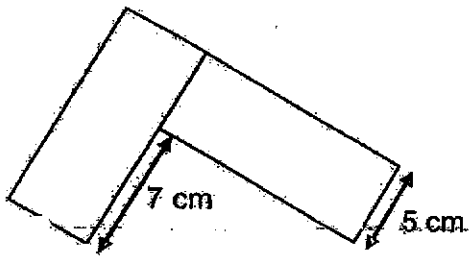


Which of these figures have the line of symmetry drawn correctly?

(1) P and Q
(2) P, Q and R
(3) P, Q and S
(4) P, Q, R and S

8. The figure below is made up of two identical rectangles.
What is the area of the figure?

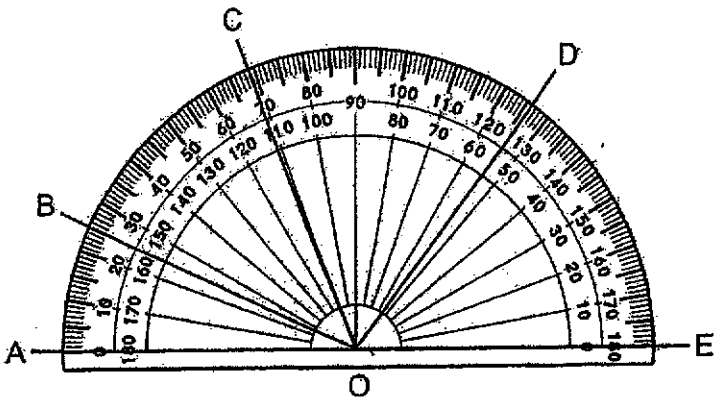
(1) 58 cm^2
(2) 60 cm^2
(3) 70 cm^2
(4) 120 cm^2



9. Mavis and Sara had the same storybook. Mavis took 1 h 20 min to finish his storybook. He took 25 min longer than Sara. How long did Sara take to finish her storybook?

(1) 55 min
(2) 95 min
(3) 105 min
(4) 145 min

10. Which two angles in the diagram, when added together, is greater than 90° but smaller than 180°?



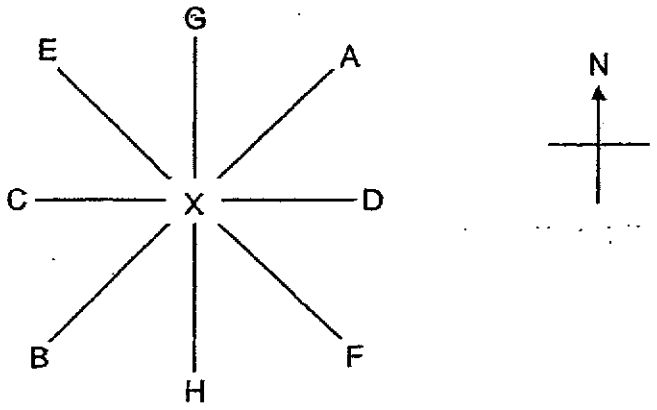
(1) ∠AOB and ∠BOE

(2) ∠AOB and ∠COD

(3) ∠AOD and ∠COE

(4) ∠BOC and ∠DOE

11. Ann is standing at point X. If she makes a $\frac{3}{4}$ - turn in a clockwise direction, she will face point E. Which point is she facing now?



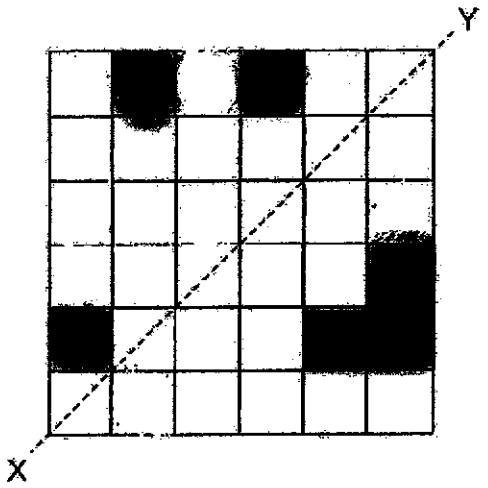
(1) A

(2) B

(3) D

(4) H

12. At least how many more squares must be shaded to make the figure below symmetric, using line XY as the line of symmetry?



(1) 5

(2) 6

(3) 3

(4) 4

13. The table below shows the schedule of movies shown on the movie channel.

Time	Programme
?	Ninja Cops
11.45 a.m.	Pirate Ship
1.05 p.m.	Toy Story
2.50 p.m.	Planet of the Galaxy

Devi spent 3 hours watching Ninja Cops and Toy Story. What time did Ninja Cops start?

(1) 8.45 a.m.

(2) 9.50 a.m.

(3) 10.15 a.m.

(4) 10.30 a.m.

14. A rope of length 7.2 m was cut into three pieces. The first piece was 3 times as long as the second piece. The second piece was twice as long as the third piece. How long was the second piece?

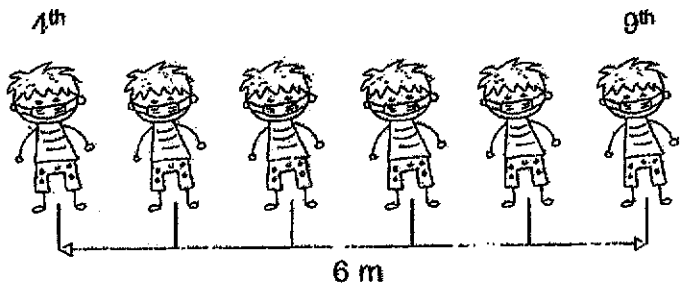
(1) 1.2 m

(2) 1.6 m

(3) 2.4 m

(4) 4.8 m

15. 10 students stand in a straight row at an equal distance from one another. The distance between the 4th student and the 9th student is 6 m. What is the distance between the first and the last student?



(1) 9.0 m

(2) 10.0 m

(3) 10.8 m

(4) 12.0 m

16. There were 10 students in a class. Each student shook hands only once with the other 9 students in the class. How many handshakes were there in total?

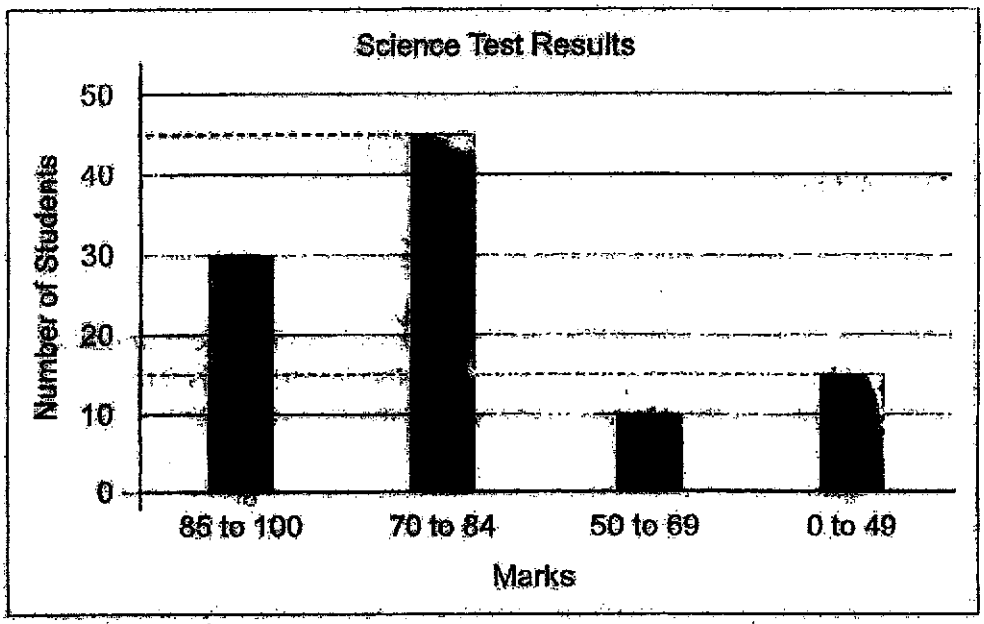
(1) 10

(2) 45

(3) 55

(4) 90

The graph below shows the Science test results of 100 students.
Use the information to answer Questions 17 and 18.



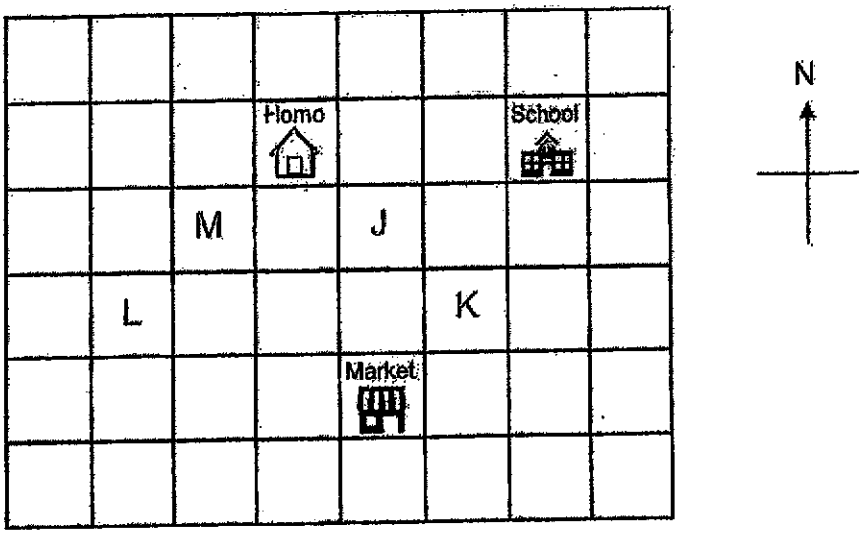
17. How many students scored below 70 marks?

(1) 10
(2) 15
(3) 25
(4) 45

18. What fraction of the students scored more than 84 marks?
Express your answer in its simplest form.

(1) $\frac{1}{4}$
(2) $\frac{3}{10}$
(3) $\frac{7}{10}$
(4) $\frac{9}{20}$

19. Paul's home, a school and a market are located as shown in the square grid below. A playground is located south-west of Paul's home and north-west of the market. Which one of the letters below represents the location of the playground?



(1) J
(2) K
(3) L
(4) M

20. Peter kept his 156 marbles in bags A, B and C. He moved 28 marbles from bag C to bag A. Then he moved 12 marbles from bag A to bag B. After that, there is an equal number of marbles in each bag. How many marbles were there in bag A at first?

(1) 36
(2) 40
(3) 52
(4) 68

End of Booklet A
Go on to Booklet B

MARIS STELLA HIGH SCHOOL (PRIMARY)
SEMESTRAL ASSESSMENT 2
PRIMARY 4 MATHEMATICS
30 OCTOBER 2020
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: _____

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. What is the remainder when 1507 is divided by 7?

Do not write in this space.

Answer: _____

22. Some factors of 32 are 1, 2, 4 and 32. What are the other two factors of 32?

Answer: _____ and _____

23. Which two of the fractions below are equivalent to $\frac{6}{9}$?

$\frac{12}{18}, \frac{5}{8}, \frac{2}{3}, \frac{9}{12}$

Answer: _____ and _____

SCORE

(Go on to the next page)

24. Write 9 thousandths as a decimal.

Do not write in this space.

Answer: _____

25. Write $\frac{18}{7}$ as a mixed number in its simplest form.

Answer: _____

26. What is the value of $\frac{7}{12} + \frac{5}{6}$?

Express your answer as a mixed number.

Answer: _____

27. Find the value of 6.94 x 8.

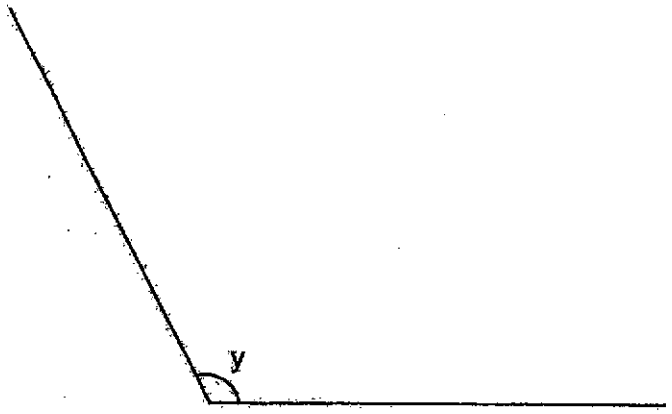
Answer: _____

SCORE

(Go on to the next page)

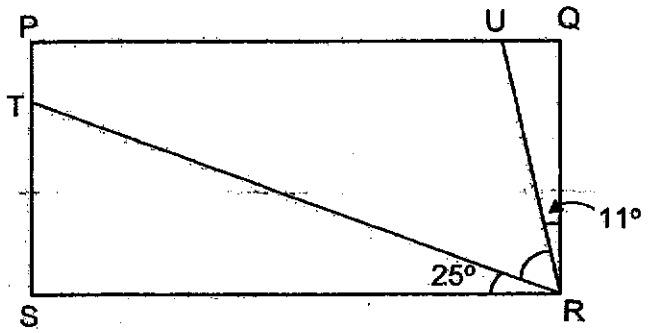
28. Measure and write down the size of ∠ y.

Do not write in this space.



Answer: _____ °

29. In the figure shown, PQRS is a rectangle. Find ∠TRU



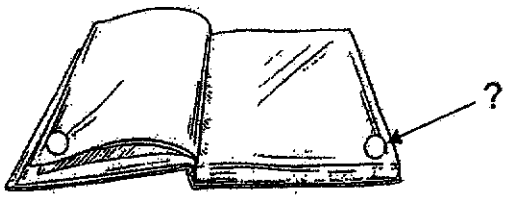
Answer: _____ °

SCORE

(Go on to the next page)

Do not write in this space.

30. The sum of two page numbers of an open book is 69. What is the page number on the right side of the book?



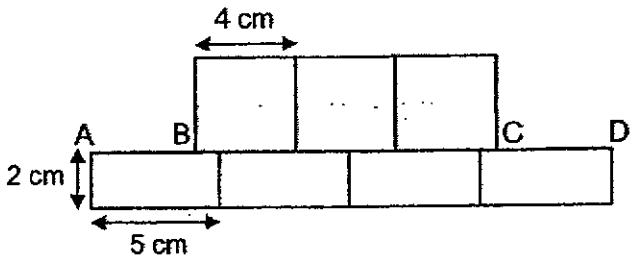
Answer: _____

31. Using **all** the digits below, form the greatest 4-digit number which is a multiple of 8.

1	8	0	6

Answer: _____

32. The figure is made up of 3 identical squares and 4 identical rectangles. Find the total length of AB and CD.



Answer: _____ cm

SCORE

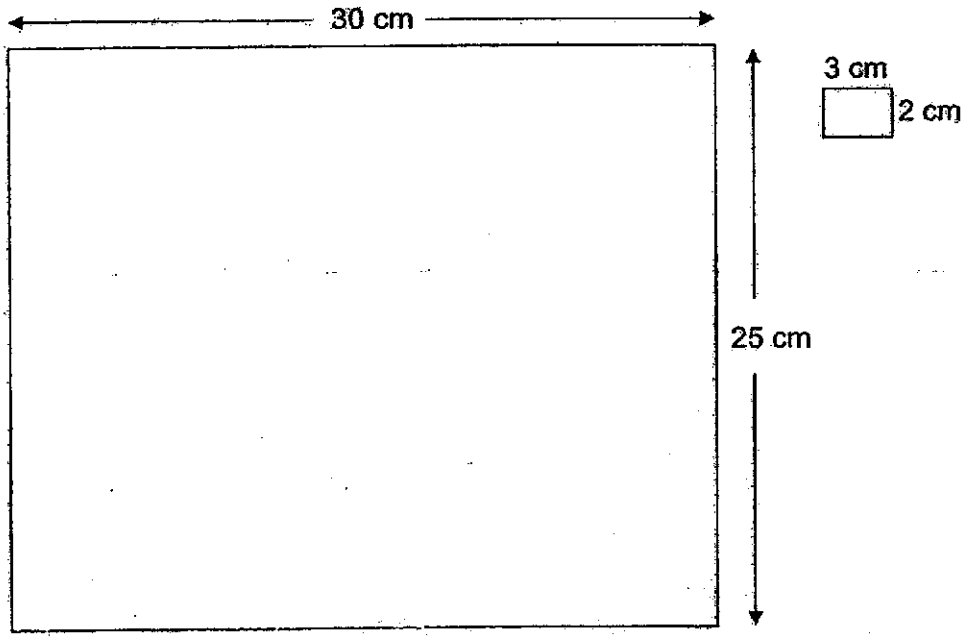
(Go on to the next page)

33. Mr Lee spent $2928 on a dining table and six identical chairs. The dining table cost $1989. How much did each chair cost?

Do not write in this space.

Answer: $_____

34. Alex has a big piece of rectangular paper measuring 30 cm by 25 cm as shown below. He wants to cut out small rectangles measuring 3 cm by 2 cm from the big piece of rectangular paper.
At most how many small rectangles can Alex cut out from the big piece of rectangular paper?



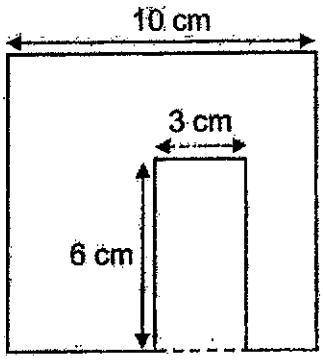
Answer: _____

SCORE

(Go on to the next page)

35. A rectangle measuring 6 cm by 3 cm is cut out from a square cardboard of side 10 cm as shown below. Find the perimeter of the remaining cardboard.

Do not write in this space.



Answer: _____ cm

36. 3 plates and 2 cups cost $78.80. 1 plate and 1 cup cost $28.90. How much does 1 plate cost?

Answer: $_____

37. A burger costs $5 and a drink costs $2. David bought 9 more drinks than burgers. He spent a total of $172. How many burgers did he buy?

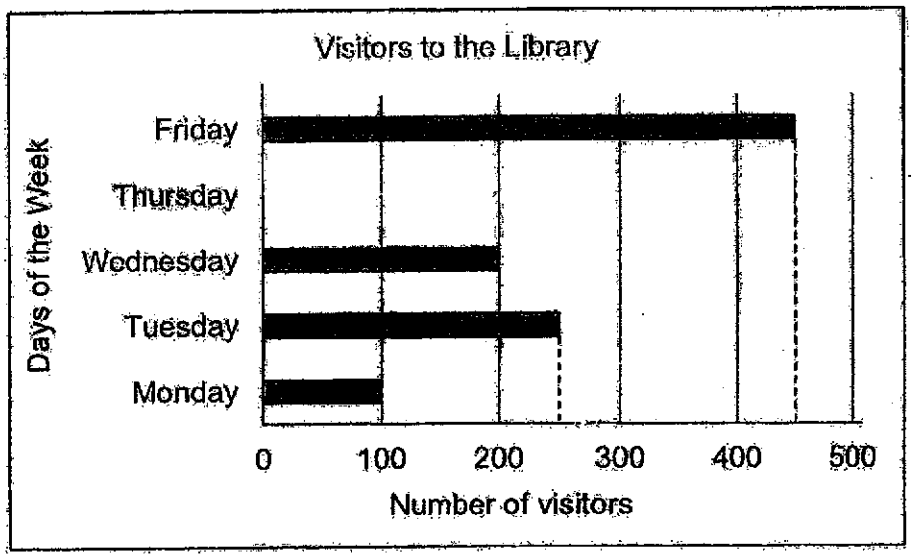
Answer: _____

SCORE

(Go on to the next page)

The graph below shows the number of visitors to a library from Monday to Friday. Use the information to answer Questions 38 to 40.

Do not write in this space.



38. How many more visitors went to the library on Friday than on Monday?

Answer: _____

39. A total of 1300 visitors visited the library over the 5 days.
How many visitors visited the library on Thursday?

Answer: _____

40. The number of visitors who visited the library on (a) _____ is twice the number who visited on (b) _____.

Answer: (a) _____

(b) _____

SCORE

(Go on to the next page)

Section C (5 x 4 = 20 marks)

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

41. Mrs Tan made 8 jugs of orange juice for a party.
Each jug contained 2.58 ℓ of orange juice.
Her guests drank 17.25 ℓ of orange juice.

(a) How much orange juice did she make at first?

(b) How much orange juice was left?

Do not write in this space.

Answer: (a)_____ [2]

(b)_____ [2]

SCORE

(Go on to the next page)

42. Jenny baked some cookies. She ate $\frac{1}{4}$ of it and gave away $\frac{2}{3}$ of it. She then had 15 cookies left.

(a) What fraction of the cookies had she left?

(b) How many cookies did she bake?

Do not write in this space.

Answer: (a)_____ [2]

(b)_____ [2]

SCORE

(Go on to the next page)

43. Shop A sold 3 times as many boxes of masks as Shop B.
Shop C sold 136 fewer boxes of masks than Shop A.
Shop D sold 60 more boxes of masks than Shop B.
Altogether, the four shops sold 900 boxes of masks.
How many boxes of masks did Shop B sell?

Do not write in this space.

Answer: _____ [4]

SCORE

(Go on to the next page)

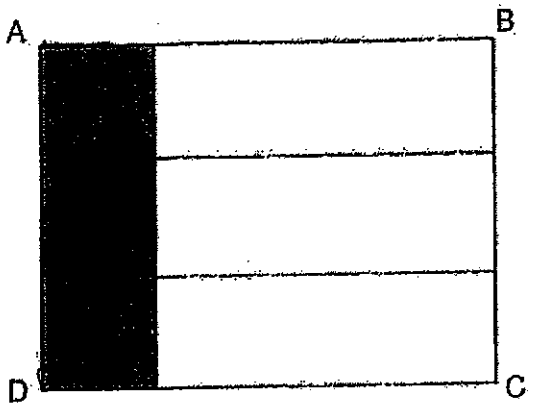
44. Yacob had 209 erasers and Zoe had 65 erasers.
They each gave away an equal number of erasers.
Yacob had 5 times as many erasers as Zoe in the end.
How many erasers did Zoe give away?

Do not write in this space.

Answer: _____ [4]

SCORE
(Go on to the next page)

46. Rectangle ABCD is made up of 4 small identical rectangles.
The perimeter of the shaded rectangle is 48 cm.
What is the area of the shaded rectangle?



Do not write in this space.

Answer: _____ [4]

END OF BOOKLET B
Please check your work.

SCORE

SCHOOL : MARIS STELLA HIGH SCHOOL

LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2020 SA2

BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	2	2	4	2	3	3	4	1	4

Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
1	4	4	2	3	2	3	2	4	1

BOOKLET B

Q21)	2
Q22)	$8 \; and \; 16$
Q23)	$\frac{12}{18} \; and \frac{2}{3}$
Q24)	0.009
Q25)	$2\frac{4}{7}$
Q26)	$1\frac{5}{12}$
Q27)	55.52
Q28)	$118°$
Q29)	$54°$
Q30)	35
Q31)	8160

Q32)	8
Q33)	156.50
Q34)	120
Q35)	$52cm$
Q36)	$\$21.00$
Q37)	$22\ burgers$
Q38)	$200\ visitors$
Q39)	300
Q40)	(a) Wednesday (b) Monday
Q41)	(a) $8 \times 2.58 = 20.64l$ (b) $20.64 - 17.25 = 3.39l$
Q42)	$\frac{1}{4} = \frac{3}{12}$ $\frac{2}{3} = \frac{8}{12}$ $\frac{3}{12} + \frac{8}{12} = \frac{11}{12}$ ~~$15 \times 12 = 180$~~ (a) $\frac{1}{12}$ (b) 180 cookies
Q43)	$900 + 136 = 1036$ $1036 - 60 = 976$ $976 \div 8 = 122boxes$
Q44)	$209 - 65 = 144$ $144 \div 4 = 36$ $1u = 36$ $65 - 36 = 29erasers$

Q45)	$48 \div 8 = 6$ $6 \times 3 = 18$ $18 \times 6 = 108cm^2$