Anglo-Chinese School
(Primary)
A Methodist Institution
(Founded 1886)

2022 SEMESTRAL ASSESSMENT 2
MATHEMATICS
BOOKLET A
PRIMARY FOUR

Name: _____ ( ) **Class: Primary 4** ___

Date: 27 October 2022 **Duration of Booklets A & B: 1 hour 45 minutes**

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 9 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answers on the Optical Answer Sheet (OAS) provided.

SECTION A - Multiple Choice Questions (30 MARKS)

Questions 1 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). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. In the number 71 059, which digit is in the thousands place?

   (1) 1

   (2) 5

   (3) 7

   (4) 9

2. 29 056 rounded to the nearest hundred is _____.

   (1) 29 000

   (2) 29 060

   (3) 29 100

   (4) 30 000

3. What is the sum of 53.08 and 1.7?

   (1) 51.38

   (2) 53.25

   (3) 54.15

   (4) 54.78

4. Which one of the following decimals is the greatest?

(1) 0.103

(2) 0.095

(3) 0.231

(4) 0.052

5. Which of the following is 5 tens, 28 tenths and 9 thousandths in numerals ?

(1) 50.289

(2) 50.298

(3) 52.089

(4) 52.809

6. Mary has some beads. Lina has 3 times as many beads as Mary. The two girls have 2100 altogether. How many beads does Lina have?

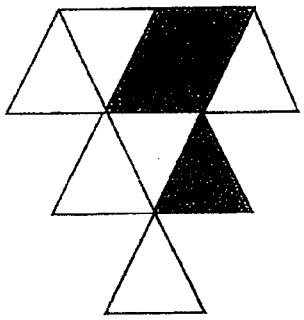
(1) 525

(2) 700

(3) 1050

(4) 1575

7. The figure below is made up identical triangles.
What fraction of the figure is shaded?



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

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

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

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

8. Find the value of $\frac{7}{9} - \frac{2}{3}$.

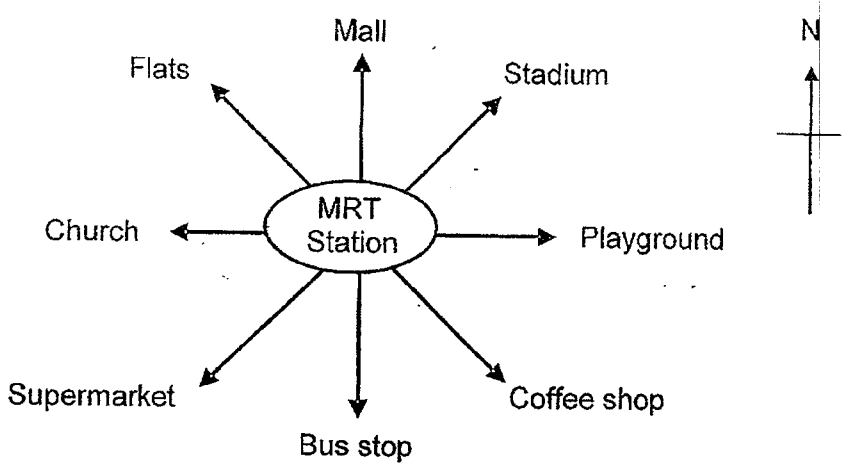
(1) $\frac{1}{9}$

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

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

(4) $\frac{5}{9}$

9. Ken came out of the MRT station and faced the coffee shop. He made a 225° clockwise turn followed by a 90° anticlockwise turn. Which direction did he face in the end?



(1) Mall

(2) Church

(3) Playground

(4) Supermarket

10. Ken bought 5 kg of sugar. He used 0.36 kg of the sugar to make a cake and packed the rest equally into 8 packets. How much did each packet of sugar weigh?

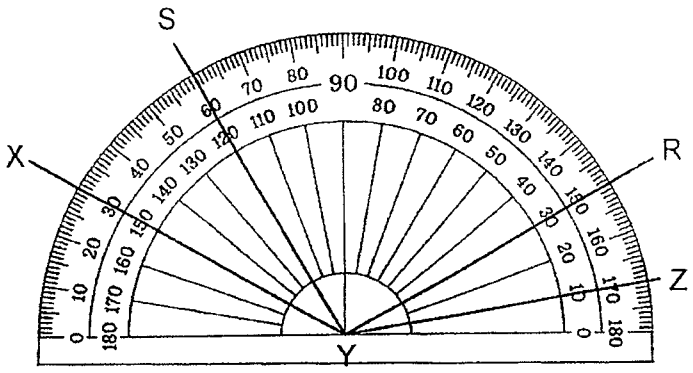
(1) 0.58 kg

(2) 0.625 kg

(3) 2.88 kg

(4) 4.64 kg

11. Which of the following statement is correct?



(1) ∠XYS is 60°.

(2) ∠XYZ is an acute angle.

(3) ∠SYR is a right angle.

(4) The sum of ∠SYR and ∠RYZ is 170°.

12. A number is between 20 and 40. It is a multiple of 3. When it is divided by 7, there is a remainder of 1. What is the number?

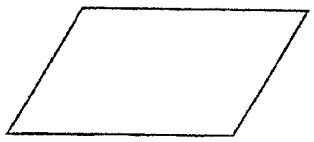
(1) 39

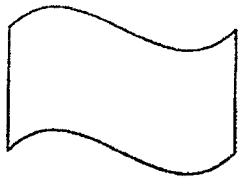
(2) 36

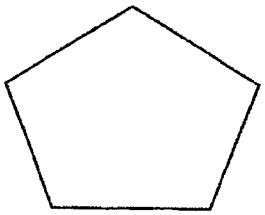
(3) 24

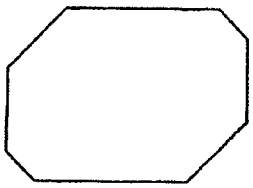
(4) 21

13. Which of the following is symmetrical?

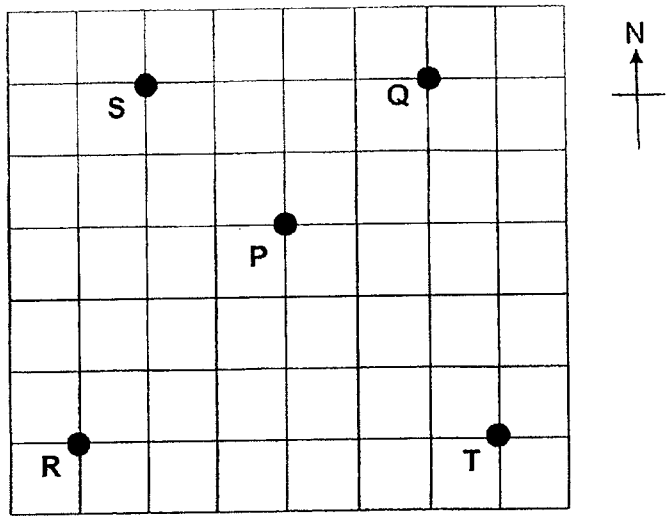
(1) 

(2) 

(3) 

(4) 

14. In the grid below, Raju is standing at point P facing north-west. Then, he makes a $\frac{3}{4}$ turn in a clockwise direction. At which point does he face now?



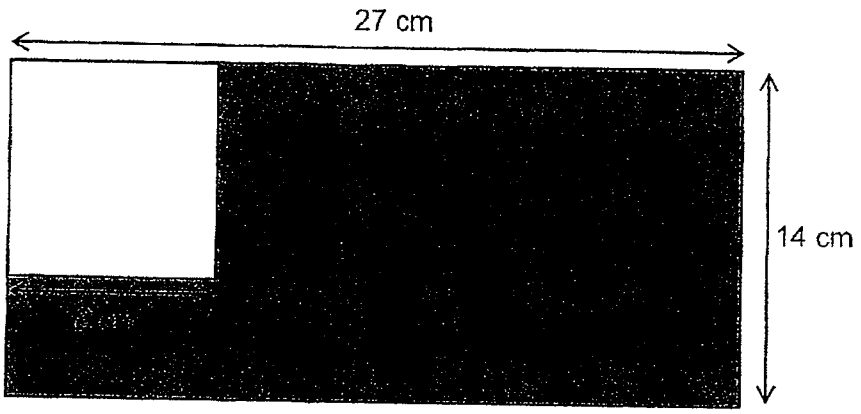
(1) Q

(2) T

(3) R

(4) S

15. The figure below shows a rectangle of sides 27 cm by 14 cm and a square of sides 8 cm. Find the area of the shaded part of the figure.



(1) 314 cm^2

(2) 330 cm^2

(3) 346 cm^2

(4) 442 cm^2

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2022 SEMESTRAL ASSESSMENT 2
MATHEMATICS
BOOKLET B
PRIMARY FOUR

Name: _____ ( ) **Class: Primary 4** ___

Date: 27 October 2022 **Duration of Booklets A & B: 1 hour 45 minutes**

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 17 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Section	Max Marks	Marks Obtained
A. Multiple-Choice Questions	30	30
B. Short Answers	40	39
C. Problem Sums	30	27
Total Marks	100	96

SECTION B - Short Answers (40 Marks)

Questions 16 to 35 carry 2 marks each. Show all workings clearly.
Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

16. Write seventy-three thousand and twelve in figures.

Answer: _____

17. Arrange the following numbers from the smallest to the greatest.

2810 , 2081 , 2108

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

18. What is the missing number in the box?

$$0.42 = \frac{42}{\boxed{?}}$$

Answer: _____.

19. Find the product of 67 and 898.

Answer: _____

20. Find the common factors of 16 and 40.

Answer: _____

21. Write $\frac{45}{7}$ as a mixed number.

Answer: _____

The table below shows the number of students in the different CCAs from Primary 4M. Use the information provided in the table to answer questions 22 and 23.

CCA	Number of students
Environmental Club	5
Robotics Club	17
Floorball	11
Basketball	9

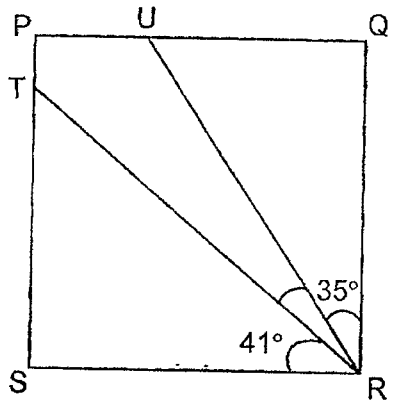
22. What is the difference between the CCA with the greatest number of students and the least number of students?

Answer: _____

23. What fraction of the students in Primary 4M are in the basketball CCA?
(Give your answer in the simplest form.)

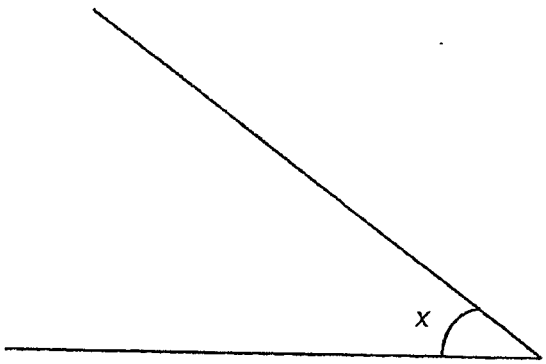
Answer: _____

4. In the figure shown, PQRS is a square. Find $\angle URT$.



Answer: _____ °

25. Measure and write down the size of $\angle x$.



Answer: _____ °

26. Arrange the following fractions from the smallest to the greatest.

$$\frac{2}{5}, \quad \frac{7}{10}, \quad \frac{1}{4}$$

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

27. There are some chocolates in a box. The chocolates can be shared equally among 6 children or 8 children. What is the smallest possible number of chocolates in the box?

Answer: _____

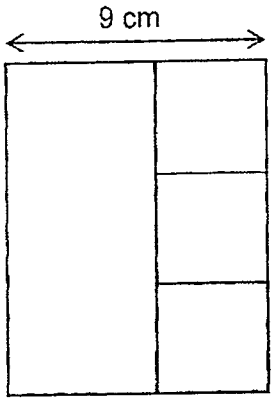
28. Linda took 1 h 45 min to complete a practice paper. She finished the practice paper at 3.20 p.m. At what time did she start doing the practice paper? Express your answer in 24-hour clock.

Answer: _____

29. Round 89.895 to the nearest hundredth.

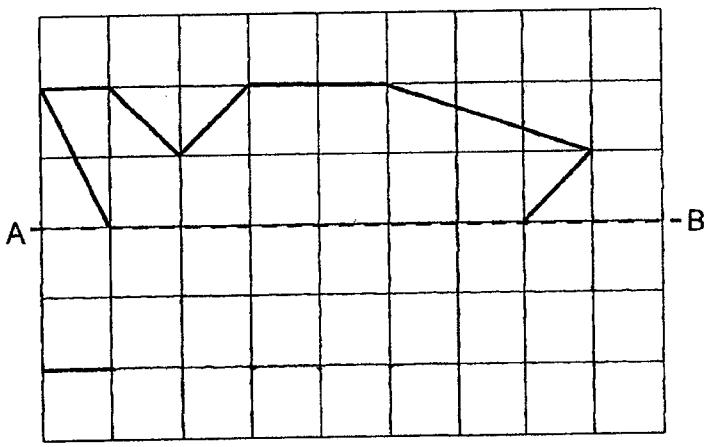
Answer: _____

30. The figure below is made up of 3 identical squares and 1 rectangle.
The area of a square is 16 cm^2. Find the area of the figure.

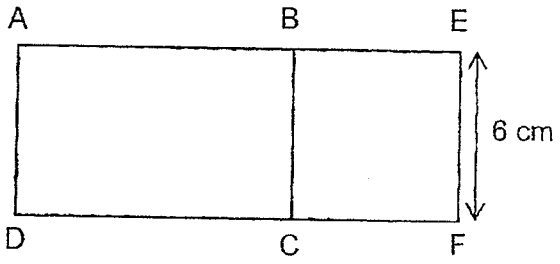


Answer: _____ cm^2

31. Complete the following symmetrical figure with AB as the line of symmetry.



32. The figure below is made up of rectangle ABCD and square BEFC.
The area of rectangle ABCD is 54 cm^2 and EF = 6 cm.
Find the perimeter of the figure.



Answer: _____ cm

33. The table below shows the number of each type of buns Mr Tan sold in a day.

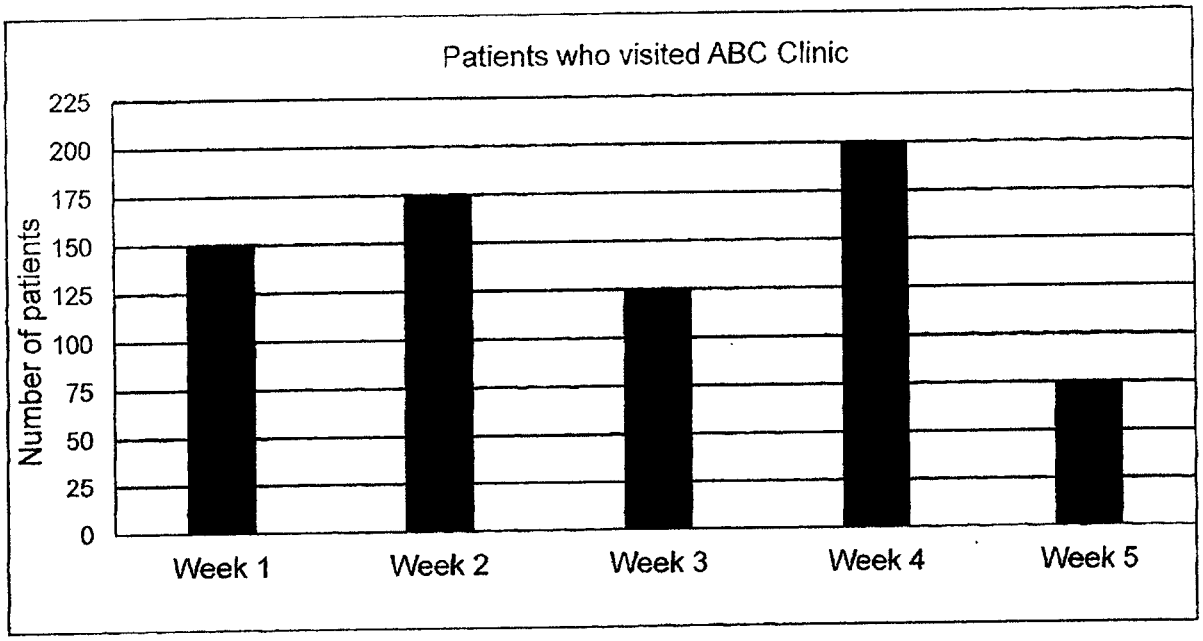
Type of buns	Chicken floss	Red Bean	Curry Potato	Tuna	Total
Number of buns Sold	42	27		20	?

Mr Tan sold three times as many chicken floss buns as curry potato buns.
How many buns did he sell in total?

Answer: _____

Study the graph below carefully and answer questions 34 and 35.

The bar graph below shows the number of patients who visited ABC Clinic over a period of 5 weeks.



34. How many more patients visited ABC Clinic in Week 2 than in Week 5?

Answer: _____

35. All the patients who visited ABC Clinic in Week 3 took a vaccination. Each of them paid $18 for it. How much money was collected from all the patients in Week 3?

Answer: $ _____

SECTION C - Problem Sums (30 Marks)

For each question from 36 to 43, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenever possible. Marks awarded are shown in the brackets [ ].

36. Mason has $740 and Amin has $198. How much money must Mason give to Amin so that both of them have the same amount of money?

Answer : _____ [3]

37. A bottle which was completely filled with water weighed 2100 g. After $\frac{2}{3}$ of the water was poured away, the bottle with the remaining water weighed 800 g. What was the mass of the empty bottle in grams?

Answer : _____ [3]

38. Alex started cycling from Marina Bay at 11 35. It took him 1 h 50 min to cycle from Marina Bay to East Coast Park.

a) What time did he arrive at East Coast Park? Give your answer in 12-hour clock.

b) After reaching East Coast Park, Alex cycled home immediately. He took 2 h 35 min to reach home. How long did Alex spend cycling in total? (Leave your answer in hours and minutes.)

Answer : a) _____ [2]

b) _____ [2]

39. Adam, Bryan and Chris shared some marbles. Adam had $\frac{1}{4}$ of the marbles. Chris had $\frac{7}{12}$ of the marbles. Bryan had 248 marbles.

a) What fraction of the marbles did Bryan have?

(Express your answer in the simplest form.)

b) How many marbles did the boys have altogether?

Answer : a) _____ [2]

b) _____ [2]

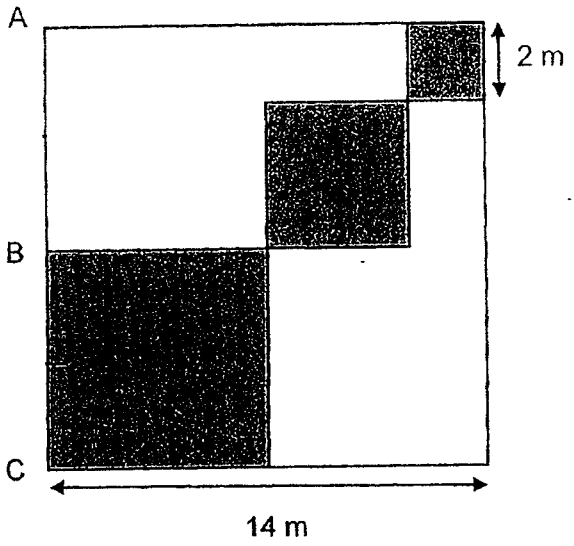
40. A jar of honey costs $17.60 more than a bottle of detergent. 3 such jars of honey cost as much as 5 such bottles of detergent. Find the cost of each a of detergent.

Answer : _____ [4]

41. Sammy has some boxes. If Sammy puts 12 marbles in each box, he will have 20 marbles left. If he puts 16 marbles in each box, he will be short of 40 marbles. How many marbles does he have?

Answer : _____ [4]

42. The figure below is the layout of a square living room. Line AB is equal to Line BC. Ashley laid three different sizes of square rugs on it. Find the floor area not covered by the rugs.



Answer : _____ [4]

43. Bag A contains 26.5 kg more peanuts than Bag B. After 4.55 kg of peanuts were removed from Bag B and placed into Bag A, the mass of Bag A was five times the mass of Bag B. What was the mass of peanuts in Bag B in the end?

Answer : _____ [4]

End – of – Paper

SCHOOL : ANGLO-CHINESE SCHOOL

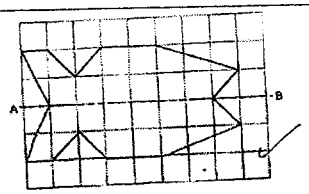
LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2022 SA2

BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	3	4	3	4	4	2	1	2	1
Q 11	Q12	Q13	Q14	Q15					
3	2	3	3	1					

BOOKLET B

Q16)	7302
Q17)	2081, 2108, 2810
Q18)	100
Q19)	$67 \times 898 = 60166$
Q20)	1, 2, 4, 8
Q21)	$6\frac{3}{7}$
Q22)	$17 - 5 = 12$
Q23)	$5 + 17 + 11 + 9 = 42$ $\frac{9}{42} = \frac{3}{14}$
Q24)	$35 + 41 = 76$ $90 - 76 = 14$
Q25)	37^{o}
Q26)	$\frac{1}{4}, \frac{2}{5}, \frac{7}{10}$

Q27)	24
Q28)	1335 Hrs
Q29)	89.90
Q30)	108 cm^2
Q31)	
Q32)	$54 \div 6 = 9$ $15 \times 2 = 30$ $6 \times 2 = 12$ $30 + 12 = 42$
Q33)	$42 \div 3 = 14$ $14 + 42 + 27 + 20 = 103$
Q34)	$125 - 25 = 100$
Q35)	$125 \times 18 = 2250$
Q36)	\$740 - \$198 = \$542 \$542 ÷ 2 = \$271
Q37)	$2100 - 800 = 1300$ $1300 \div 2 = 650$ $650 \times 3 = 1950$ $2100 - 1950 = 150$ (Ans : 150g)
Q38)	a) 1.35pm b) 4h 25 min
Q39)	a) $\frac{3}{12} + \frac{7}{12} = \frac{10}{12}$ $\frac{12}{12} - \frac{10}{12} = \frac{2}{12}$ $= \frac{1}{6}$

	b) 248 x 6 = 1488
Q40)	$17.60 x 3 = $52.80 $52.80 ÷ 2 = $26.40
Q41)	40 + 20 = 60 16 -12 = 4 60 ÷ 4 = 15 15 x 12 = 180 180 + 20 = 200
Q42)	2x2 = 4 7-2 = 5 5x5 = 25 7x7 = 49 49 + 25 + 4 = 78 14x14 = 196 196 - 78 = 118 (Ans : 118m^2)
Q43)	4.55 x 2 = 9.10 26.5 + 9.10 = 35.60 35.60 ÷ 4 = 8.90 (Ans : 8.90 kg)