Founded 1947

南侨小学

NAN CHIAU PRIMARY SCHOOL
END YEAR EXAMINATION
2024
MATHEMATICS
PRIMARY 4
SECTION A

Name / Index no.	[illegible]	( )
Class	**Primary 4** [illegible]	
Date	**23 October 2024**	
Duration for Sections A, B and C	**1 h 30 min**	
Marks	**Section A**	**28**
	Section B	**42**
	Section C	**30**
	Total	**100**
Parent's Signature		

Instructions to students	1.	Do NOT open this booklet until you are told to do so.
	2.	Follow all instructions carefully.
	3.	Answer all questions.
	4.	Shade your answers in the Optical Answer Sheet provided.
	5.	The use of calculators is **NOT** allowed.

This paper consists of **7** pages altogether.

Section A: (28 marks)
Questions 1 to 14 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 (OAS).

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1 Thirty-eight thousand and ninety-seven in numerals is _____.

(1) 3897
(2) 38 097
(3) 38 907
(4) 38 970

2 Arrange these fractions from the smallest to the greatest.

$$\frac{3}{5}, \quad \frac{7}{10}, \quad \frac{1}{2}$$

	(smallest)		*(greatest)*
(1)	$\frac{7}{10}$,	$\frac{1}{2}$,	$\frac{3}{5}$
(2)	$\frac{7}{10}$,	$\frac{3}{5}$,	$\frac{1}{2}$
(3)	$\frac{1}{2}$,	$\frac{3}{5}$	$\frac{7}{10}$
(4)	$\frac{1}{2}$,	$\frac{7}{10}$,	$\frac{3}{5}$

3 Which fraction is in its simplest form?

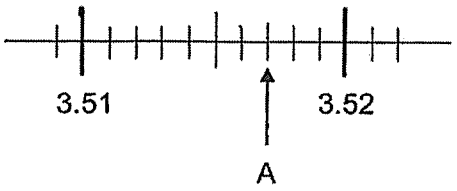
(1) $\frac{2}{4}$

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

(3) $\frac{5}{10}$

(4) $\frac{6}{12}$

4 Which decimal is represented by A in the number line?



(1) 3.512

(2) 3.517

(3) 3.523

(4) 3.527

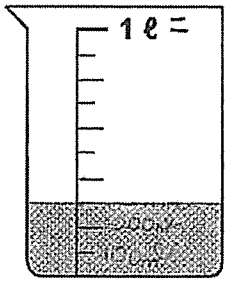
5 Which of the following is a multiple of both 6 and 9?

(1) 15
(2) 27
(3) 30
(4) 36

6 What is the number when 703.85 is rounded to 1 decimal place?

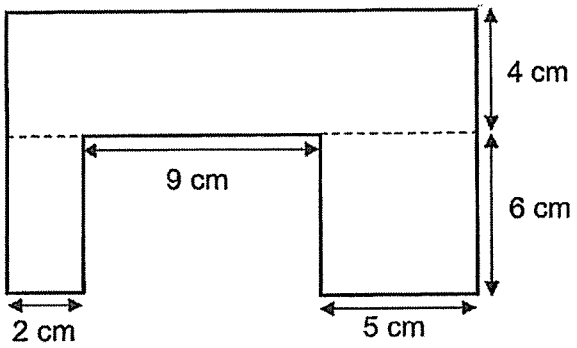
(1) 703.0
(2) 703.8
(3) 703.9
(4) 704.0

7 How much water is in the container shown?



(1) 150 ml
(2) 200 ml
(3) 250 ml
(4) 300 ml

8 The figure below is made up of 3 rectangles.
Find the perimeter of the figure.



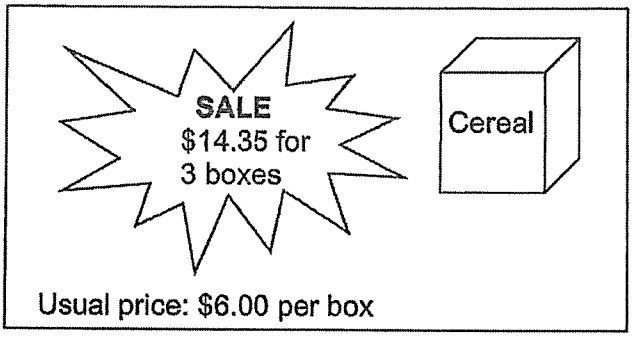
(1) 52 cm
(2) 64 cm
(3) 71 cm
(4) 106 cm

9 Complete the following number pattern.

400, 1400, 1420, 2420, 2440, 3440, 3460, 4460, _____ , 5480, 5500

(1) 4470
(2) 4480
(3) 4500
(4) 5460

10 Mrs Tan paid $14.35 for 3 boxes of cereal during a sale.



How much did she save?

(1) $3.65

(2) $4.35

(3) $8.35

(4) $14.17

11 Anna bought $\frac{3}{5}$ kg of cookies.

She bought $\frac{1}{4}$ kg of cookies more than Bala.

How many kilograms of cookies did Bala buy?

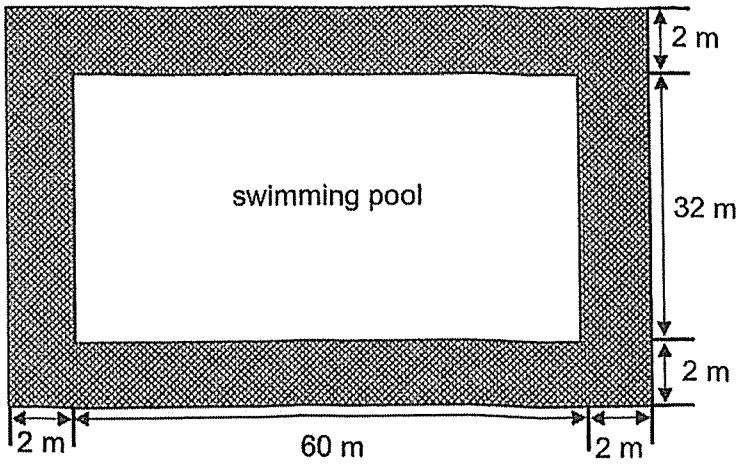
(1) $\frac{2}{9}$ kg

(2) $\frac{4}{9}$ kg

(3) $\frac{7}{20}$ kg

(4) $\frac{17}{20}$ kg

12 The figure below shows a rectangular swimming pool with a path 2 m wide around it. Find the area of the path.



(1) 256 m^2

(2) 384 m^2

(3) 1920 m^2

(4) 2304 m^2

13 The table below shows the number of boys and girls going to school by bus or car. How many more girls than boys take the bus to school?

	Bus	Car
Number of boys	81	65
Number of girls	118	42

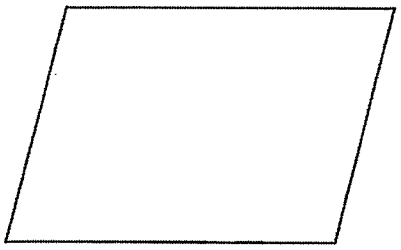
(1) 16

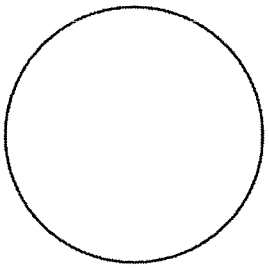
(2) 23

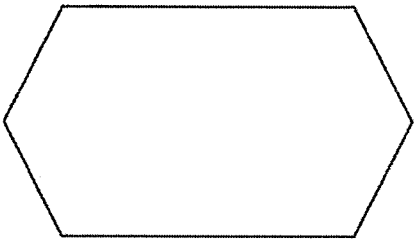
(3) 37

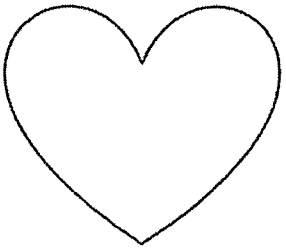
(4) 76

14 Which one of the following figures has exactly 2 lines of symmetry?

(1) 

(2) 

(3) 

(4) 

Continue to Sections B and C

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NAN CHIAU PRIMARY SCHOOL
END YEAR EXAMINATION
2024
MATHEMATICS
PRIMARY 4
SECTIONS B AND C

Name / Index no.		**( )**
Class	**Primary 4**_____	
Date	**23 October 2024**	
Duration for Sections A, B and C	**1 h 30 min**	
Marks	**Section B**	**/ 42**
	Section C	**/ 30**

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

This paper consists of **17** pages altogether.

Section B: (42 marks)
Questions 15 to 35 carry 2 marks each. For each question, show your working clearly and write your answers in the boxes provided. For questions that require units, give your answers in the units stated.

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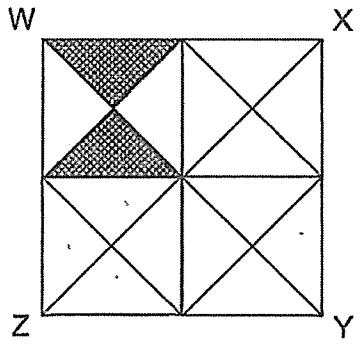
15 What is the remainder when 1594 is divided by 7?

Ans: ☐

---

16 Square WXYZ is made up of 16 unit triangles.

What fraction of square WXYZ is shaded?



Ans: ☐

Score: ☐

17 13.2 – 6.95 = _____

Ans: [ ]

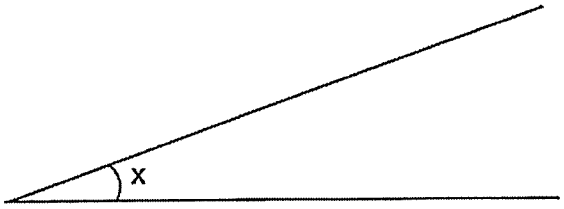
---

18 Some factors of 20 are 1, 2, 4 and 20. What are the other two factors of 20?

Ans: [and 10]

---

19 Measure and write down the size of ∠x.



Ans: [°]

---

20 $1 - \frac{1}{8} - \frac{1}{4} =$ _____

Ans:

---

21 Find the product of 1240 and 4.

Ans:

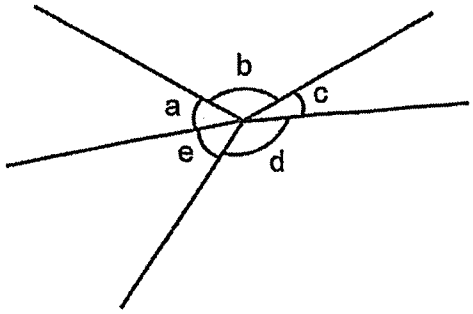
---

22 Express $\frac{83}{100}$ as a decimal.

Ans:

---

23 Name the two angles that are greater than 90°.



Ans: ∠ and ∠ d

---

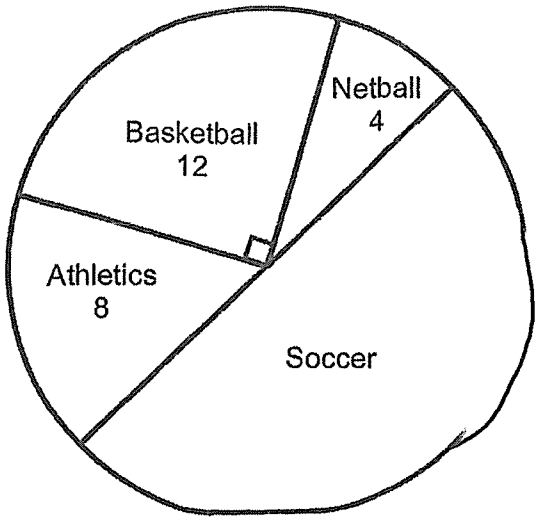
24 What is the value of $\frac{5}{6} + \frac{7}{12}$?

Give your answer as a mixed number.

Ans:

---

25 A group of students were asked to choose one favourite activity from Netball, Basketball, Athletics and Soccer.
The pie chart represents the students' choices.
How many more students chose Soccer than Athletics?



Ans: _____

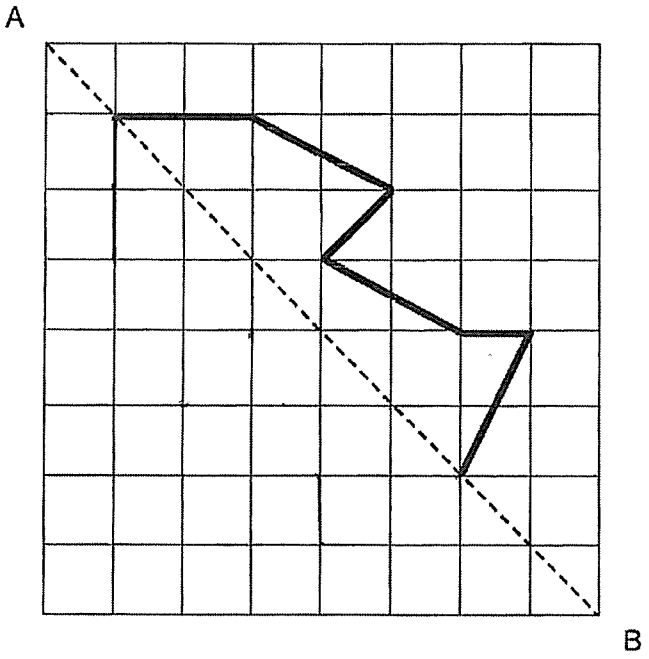
---

26 Annie is 1.17 m. Cindy is 0.12 m taller than Annie.
Cindy is 0.25 m taller than Brenda. What is their total height?

Ans: _____ m

---

27 Complete the symmetric figure below with AB as the line of symmetry.



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28 Mdm Chan left her house for the park at 08 30 to exercise.
She took 20 min to reach the park. She left the park at 10 25.
How long was she at the park? Give your answer in minutes.

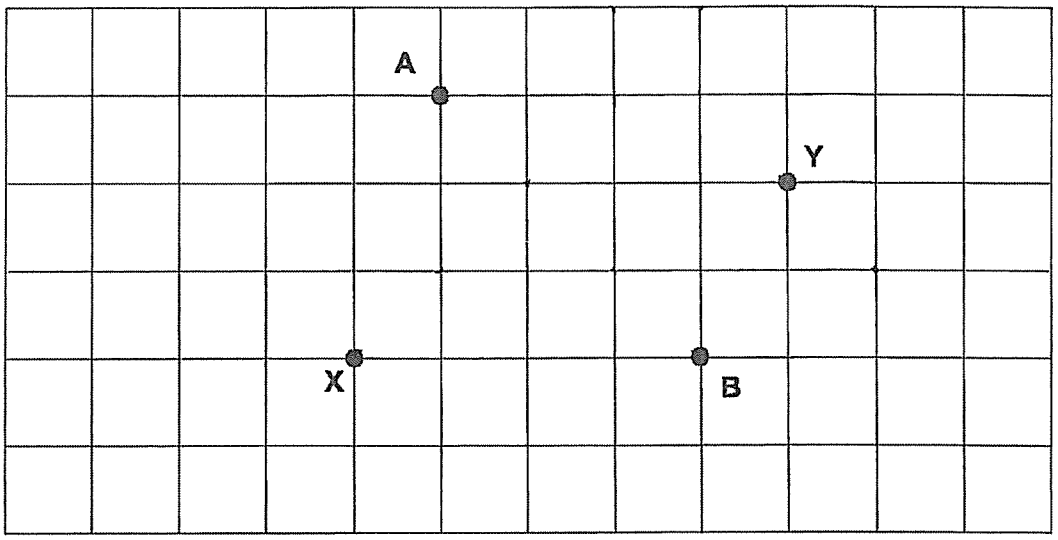
Ans: _____ min

---

29 In the square grid below,

(a) draw a line perpendicular to AB which passes through X.

(b) draw a line parallel to AB which passes through Y.



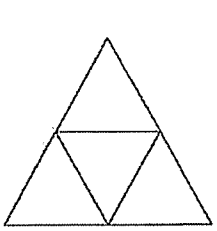
---

30 String A was 212 cm long. String B was 5 times as long as String A.
What was the length of String B? Give your answer in m and cm.

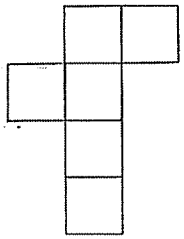
Ans: m cm

Score:

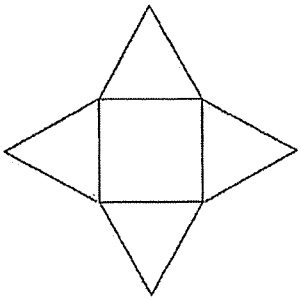
31 The nets of 4 geometric figures are shown below.



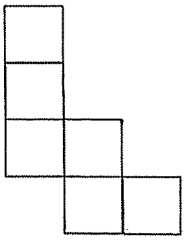
A



B



C



D

Read the following statements.

Based on the nets shown, tick (✓) "True" or "False" in the correct boxes.

	True	False
(a) Net A is a net of a pyramid.		
(b) Nets B and D are nets of a cube.		
(c) Net C forms a prism.		

---

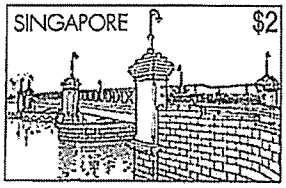
32 The figure shows a square divided into two smaller squares A and D, and two rectangles B and C. The total perimeter of rectangles B and C is 52 cm. The area of square A is 36 cm^2. What is the length of square D?

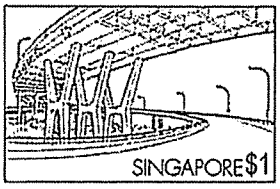
A	**B**
C	**D**

Ans: _____ cm

---

33 Lily bought some $1 stamps and $2 stamps for $32.
There were twice as many $1 stamps as $2 stamps.
How many $1 stamps did she buy?





Ans: _____

---

34 The table below shows the schedule for buses that leaves Singapore for Malacca.

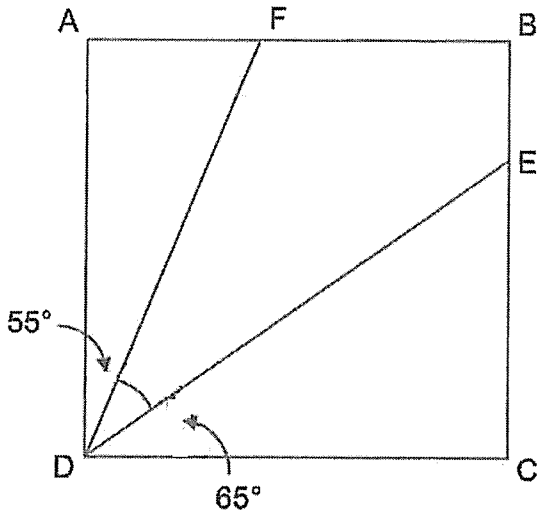
Leaves Singapore Bus Station	Arrives at Malacca Bus Station
06 55	11 08
09 55	14 15
13 55	18 48

Sam arrived at the Singapore Bus Station at 11:35 am. He took the next earliest possible bus to Malacca. How long will his bus take to travel from Singapore Bus Station to Malacca Bus Station as shown in the schedule?
Give your answer in hours and minutes.

Ans: _____ min

Score: _____

35 In the figure shown, ABCD is a square. $\angle ADE = 55°$ and $\angle FDC = 65°$. Find $\angle FDE$.



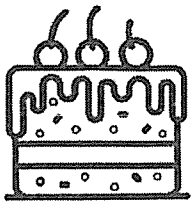
Ans: ____ °

Section C: (30 marks)
Questions 36 and 37 carry 3 marks each. Questions 38 to 43 carry 4 marks each. For each question, show your working and equations. Write your final word statement clearly. For questions that require units, state the units clearly.

---

36 Mother used 1 cherry to decorate a cupcake.

She used 3 cherries to decorate a cake.



Mother used 24 cherries to decorate a total of 18 cupcakes and cakes.

How many cakes did Mother decorate?

Ans: [3]

---

37 In a container, there were 1026 marbles. $\frac{1}{3}$ of the marbles were red.

$\frac{2}{9}$ of them were green and the rest were blue. How many blue marbles were there in the container?

Ans:

[3]

---

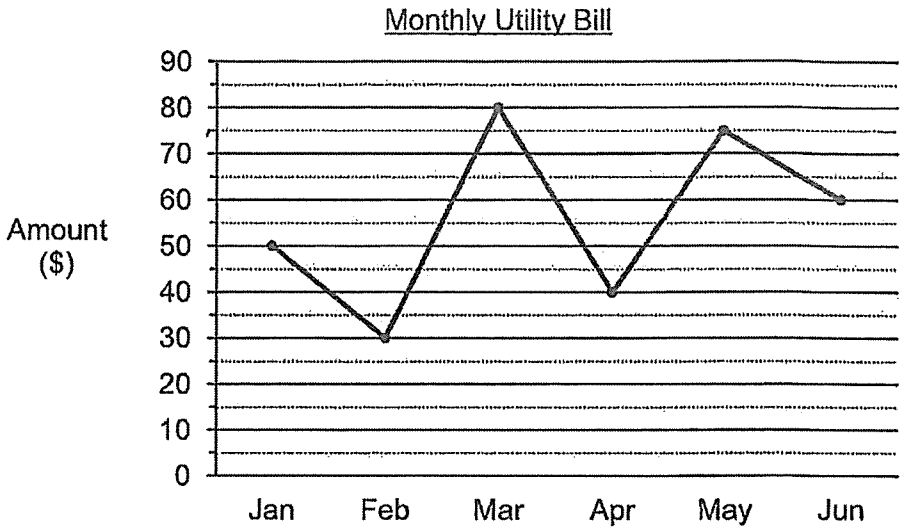
38 Sarah paid $40.85 for 5 identical files and 4 identical notebooks.
Each file cost $0.65 less than each notebook.
Find the total cost of the 4 such notebooks.

Ans:

[4]

---

39 The line graph shows the amount of utility bills paid by Mr Chen's household in the first six months of the year.



(a) Use the data above to complete the following table. [2]

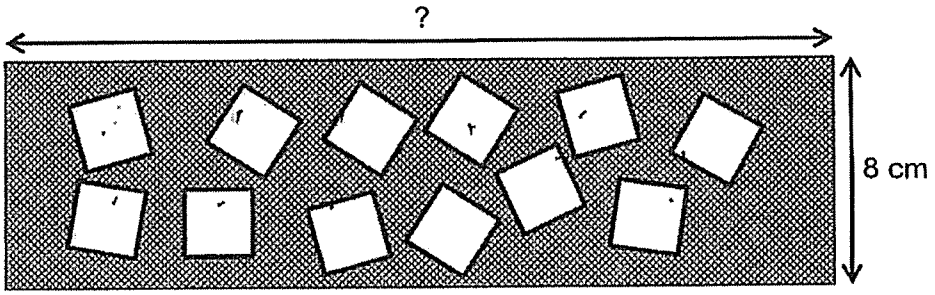
Month	Jan	Feb	Mar	Apr	May	Jun
Amount ($)	50	30	80			60

(b) What was the difference between the greatest and the least amount of utility bills paid?

Ans: (b) _____

[2]

40 Lucas drew a rectangle of breadth 8 cm and 12 identical squares of side 3 cm in it. The area of the shaded part is 236 cm².



(a) What is the total area of the 12 identical squares?

Ans: (a) _____

[2]

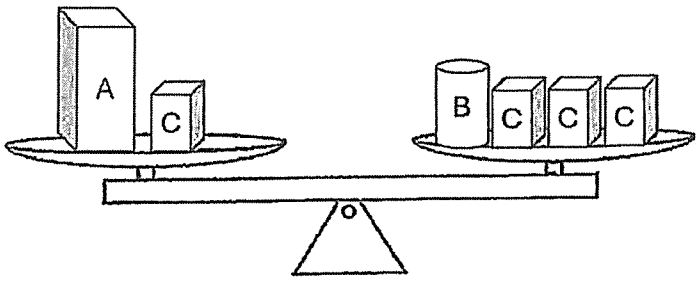
(b) What is the length of the rectangle?

Ans: (b) _____

[2]

Score: _____

41 The figure below shows 6 objects placed on a balance scale.



(a) The mass of Object A is 0.45 kg and the mass of Object B is 0.2 kg.
What is the mass of each Object C? Give your answer in grams.

Ans: (a)

[3]

(b) Object D is lighter than Object A but heavier than Object B.
What is a possible mass of Object D?

Ans: (b)

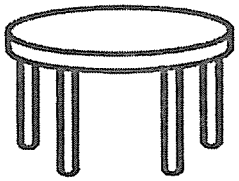
[1]

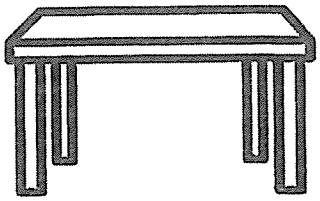
42 Ali and Ben had an equal number of cards at first.
Ali gave 24 cards to Ben. Then, Ben bought another 10 cards.
In the end, Ben had 3 times as many cards as Ali.
Find the number of cards Ali had at first.

Ans:

[4]

43 In a restaurant, a round table seats 4 people. A rectangular table seats 6 people.





(a) During lunch, an equal number of round tables and rectangular tables were taken up by 40 people. How many round tables were taken up during lunch?

Ans: (a) [2]

(b) During dinner, there were 52 people seated at some rectangular tables. What was the least number of rectangular tables used during dinner?

Ans: (b) [2]

End of Paper

Score:

631

NAN CHIAU PRIMARY SCHOOL
PRIMARY 4 MATHEMATICS
TERM 4 END-OF-YEAR EXAMINATION 2024
Mass Review – Students' Answer Key

Name: _____( ) Class: P4 _____

Section A: 28 marks

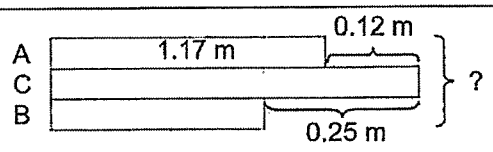
Questions 1 to 14 carry 2 marks each.

No.	Solutions		No.	Solutions		No.	Solutions	
1)	2		**6)**	3		**11)**	3	
2)	3		**7)**	4		**12)**	2	
3)	2		**8)**	2		**13)**	3	
4)	2		**9)**	2		**14)**	3	
5)	4		**10)**	1				

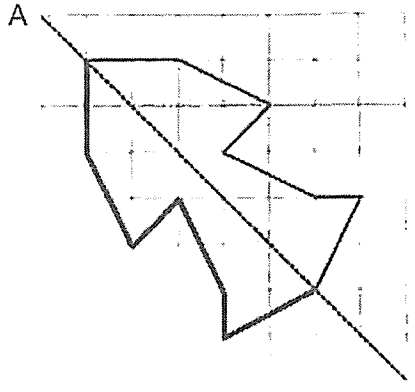
Section B: 42 marks

Questions 15 to 35 carry 2 marks each.

No.	Solutions		
15)	1594 ÷ 7 = 227 R5 **[M1]** **Ans:** 5		**[A1]**
16)	*accept all equivalent fractions* **Ans:** $\frac{2}{16}$ Or $\frac{1}{8}$		**[A2]**
17)	13.2 – 6.95 = 6.25 **Ans:** 6.25		**[A2]**
18)	**Ans:** 5 and 10		**[A1]** **[A1]**
19)	**Ans:** 20° (±1°)		**[A2]**

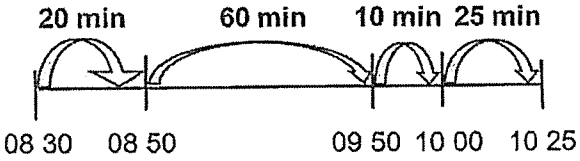
20)	$1-\frac{1}{8}-\frac{1}{4}=\frac{8}{8}-\frac{1}{8}-\frac{2}{8}$ $=\frac{5}{8}$	**[M1]** **Ans:** $\frac{5}{8}$ Or equivalent fractions **[A1]**
21)	1240 x 4 = 4960	**[M1]** **Ans: 4960** **[A1]**
22)	$\frac{83}{100}$ = 0.83	**[M1]** **Ans: 0.83** **[A1]**
23)		**Ans: ∠b** **[A1]** **∠d** **[A1]**
24)	$\frac{5}{6}\times\frac{2}{2}+\frac{7}{12}=\frac{10}{12}+\frac{7}{12}=\frac{17}{12}$ $=1\frac{5}{12}$	**[M1]** **Ans:** $1\frac{5}{12}$ Or equivalent fractions **[A1]**
25)	12 + 4 = 16 Or 4 + 12 + 8 = 24 24 – 8 = 16	**[M1]** **[M1]** **Ans: 16** **[A1]**
26)	 1.17 + 0.12 = 1.29 (Cindy) 1.29 – 0.25 = 1.04 (Brenda) 1.17 + 1.29 + 1.04 = 3.5	**[M1]** **Ans: 3.5 m** **[A1]**

27)



[A2]

28)

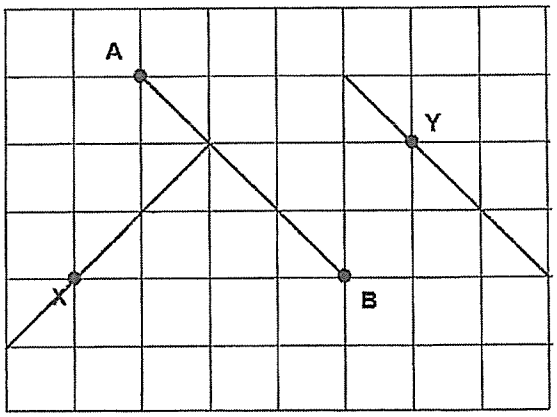


[M1]

60 min + 10 min + 25 min = 95 min

Ans: 95 min **[A1]**

29)



A1 for drawing a line perpendicular to AB which passes through X.
A1 for drawing a line parallel to AB which passes through Y.

30)

212 × 5 = 1060 **[M1]**

1060 cm = 10 m 60 cm

Ans: 10 m 60 cm **[A1]**

31)

	T	F
Net A is a net of a pyramid.	✓	
Nets B and D are nets of a cube.		✓
Net C forms a prism.		✓

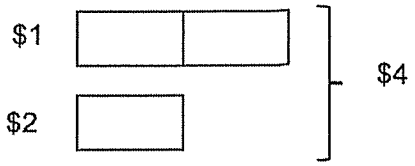
Any 1 correct A0
Any 2 correct **A1**
Any 3 correct **A2**

32)

$6 \times 6 = 36$
$52 - 6 - 6 - 6 - 6 = 28$
$\underline{28 \div 4} = 7$ **[M1]**

Ans: **7 cm** **[A1]**

33)



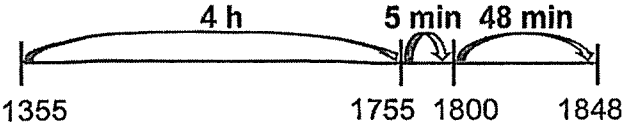
$4 → 1 set

$32 → $\underline{\$32 \div \$4}$ = 8 sets **[M1]**

$8 \times 2 = 16$

Ans: **16** **[A1]**

34)



[M1]

4 h + 5 min + 48 min = 4 h 53 min

Ans: **4 h 53 min** **[A1]**

35)

$55° + 65° = 120°$
$\underline{120° - 90°} = 30°$ **[M1]**

Or

$90° - 55° = 35°$
$90° - 65° = 25°$
$\underline{90° - 35° - 25°} = 30°$ **[M1]**

accept all possible solutions

Ans: **30°** **[A1]**

Section C: 30 marks

Questions 36 & 37 carry 3 marks each. Questions 38 to 43 carry 4 marks each.

No. 36)

No. of cupcake	No. of cherry	No. of cake	No. of cherry	Total
9	9	9	27	36
10	10	8	24	34
15	15	3	9	24

Correct start **[M1]**

Reach end **[M1]**

Or Supposition/Assumption method

If all are cupcakes,

18 x 1 = 18

24 – 18 = 6 **[M1]**

3 – 1 = 2

6 ÷ 2 = 3 **[M1]**

If all are cakes,

18 x 3 = 54

54 – 24 = 30 **[M1]**

3 – 1 = 2

30 ÷ 2 = 15

18 – 15 = 3 **[M1]**

Ans: 3 **[A1]**

37)

$1 - \frac{3}{9} - \frac{2}{9} = \frac{4}{9}$ (B) **[M1]**

9 units → 1026

1 unit → 1026 ÷ 9

= 114

4 units → 4 × 114 Or $\frac{4}{9} \times 1026 = 456$ **[M1]**

= 456

accept all possible solutions

Ans: 456 **[A1]**

38)

$40.85 – ($0.65 x 4) = $38.25

$38.25 ÷ 9 = $4.25 **[M1]**

$4.25 + $0.65 = $4.90 **[M1]**

4 x $4.90 = $19.60 **[M1]**

Or

5 x $0.65 = $3.25

$40.85 + $3.25 = $44.10 **[M1]**

$44.10 ÷ 9 = $4.90 **[M1]**

4 x $4.90 = $19.60 **[M1]**

accept all possible solutions

Ans: $19.60 [A1]

39a)

Month	Jan	Feb	Mar	Apr	May	Jun
Amount ($)	50	30	80	**40 (A1)**	**75 (A1)**	60

b) 80 – 30 = 50 **[M1]**

Ans: (b) $50 [A1]

40a) 3 x 3 = 9

12 × 9 = 108 **[M1]**

Or

18 (L) x 6 (B) = 108 **[M1]**

b) 236 + 108 = 344

344 ÷ 8 = 43 **[M1]**

Ans: (a) 108 cm² [A1]

Ans: (b) 43 cm [A1]

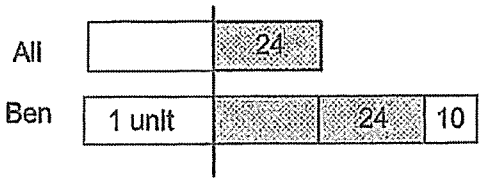
41a) 0.45 – 0.2 = 0.25 **[M1]**

0.25 ÷ 2 = 0.125 **[M1]**

0.125 kg = 125 g

Ans: (a) 125 g [A1]

Ans: (b) any answers between 0.2 kg and 0.45 kg [A1]

42)	 2 units → 24 + 24 + 10 **[M1]** = 58 1 unit → 58 ÷ 2 **[M1]** = 29 29 + 24 = 53 **[M1]** **Ans: 53** **[A1]**	
43a)	4 + 6 = 10 40 ÷ 10 = 4 **[M1]**	
b)	52 ÷ 6 = 8 R4 **[M1]** 8 + 1 = 9 Or Multiples of 9 → 9, 18, 27, 36, 45, 54 **[M1]** **Ans: (a) 4** **[A1]** **Ans: (b) 9** **[A1]**	