忠诚

PEI HWA PRESBYTERIAN PRIMARY SCHOOL
SEMESTRAL ASSESSMENT

PRIMARY 3
MATHEMATICS PAPER
24 OCTOBER 2023

Name : _____ ( )

Class: 3R____

Parent's Signature

Total time: 1h 30min

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Class and Register No. in the spaces provided above.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. For Section A, shade your answers on the Optical Answer Sheet (OAS) provided. No extra time will be given to you for shading the OAS.
6. Write all your answers in this booklet.

Marks :	50

This booklet consists of 13 printed pages, excluding the cover page.

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Section A: Multiple Choice Questions (15 marks)

Questions **1** to **5** carry 1 mark each. Questions **6** 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). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

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1. What is the value of the digit 5 in 5609?

   (1) 5
   (2) 50
   (3) 500
   (4) 5000 ( )

2. Which of the following is six thousand and fifty in numerals?

   (1) 6550
   (2) 6500
   (3) 6050
   (4) 6005 ( )

3. What is the missing number in the box?

$$\frac{12}{15} = \frac{\boxed{?}}{5}$$

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

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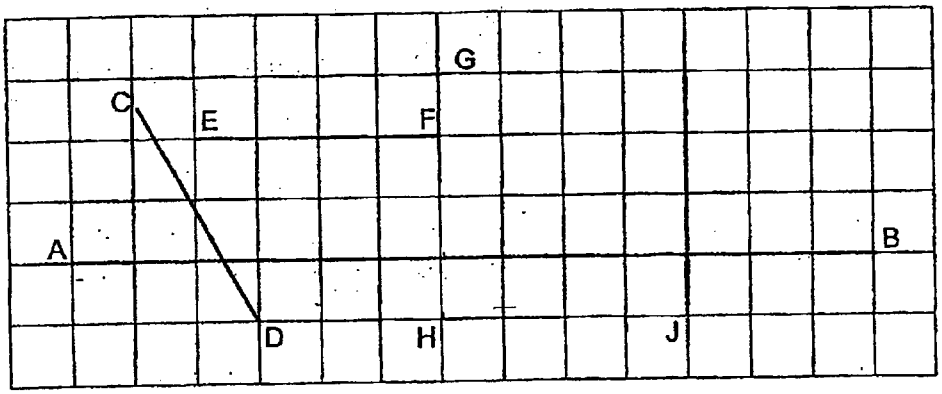
4. Which of the following is the same as 6 km 20 m?

(1) 602 m
(2) 620 m
(3) 6020 m
(4) 6200 m

( )

5. In the figure, which line is perpendicular to AB?



(1) CD
(2) EF
(3) GH
(4) IJ

( )

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6. Arrange the fractions in order from the smallest to the greatest.

$\frac{7}{9}$, $\frac{1}{2}$, $\frac{4}{9}$

	Smallest				Greatest	
(1)	$\frac{7}{9}$	,	$\frac{4}{9}$	,	$\frac{1}{2}$	
(2)	$\frac{4}{9}$	,	$\frac{1}{2}$	,	$\frac{7}{9}$	
(3)	$\frac{4}{9}$	,	$\frac{7}{9}$	,	$\frac{1}{2}$	
(4)	$\frac{1}{2}$	,	$\frac{7}{9}$	,	$\frac{4}{9}$	( )

7. Jason has 300 stickers.
Mabel has 50 fewer stickers than Jason.
How many stickers do they have altogether?

(1) 250
(2) 350
(3) 550
(4) 650 ( )

8. Jordan had 100 cards.
He gave some cards to 10 friends.
Each friend received 6 cards.
How many cards did he have left in the end?

(1) 84
(2) 60
(3) 40
(4) 16 ( )

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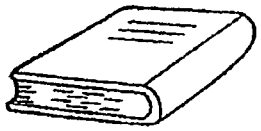
9. Candice was given $100 to buy a book and a recorder.
How much change would Candice receive?

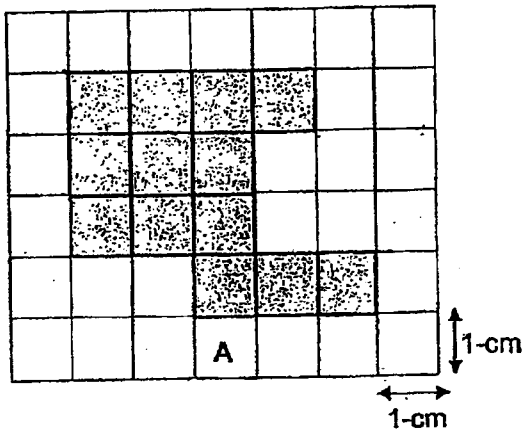


$17.20

$37.90

(1) $44.90
(2) $55.10
(3) $62.10
(4) $82.80 ( )

10. The figure below is drawn on 1-cm square grid.
The perimeter of Figure A is _____ cm.



(1) 12 cm
(2) 13 cm
(3) 18 cm
(4) 20 cm ( )

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Section B: (15 marks)

Questions 11 to 15 carry 1 mark each. Questions 16 to 20 carry 2 marks each.
Show your working clearly and write your answers in the spaces provided.
For questions which require units, give your answer in the units stated.

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11. What is the missing number in the pattern?

3 , 6 , 10 , 13 , ? , 20 , 24

Ans : _____

12. What is the missing number in the box?

$$\begin{array}{r} 8\ \boxed{?}\ 6\ 2 \\ -\ 4\ 3\ 7 - 3 \\ \hline 3\ 6\ 8\ 9 \\ \hline \end{array}$$

Ans : _____

13. Find the remainder when 597 ÷ 6.

Ans : _____

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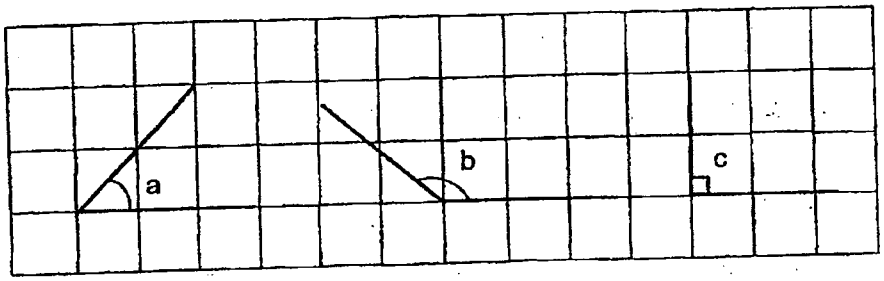
14. Compare the numbers using ' < ' , ' > ' or ' = '.

(a) $9 \times 6 \bigcirc 9 \times 7$

(b) $\frac{5}{6} \bigcirc \frac{7}{12}$

15. Three angles are drawn on the square grid.



Identify if the angle is an acute angle, a right angle or an obtuse angle.

Write your answer in the table below.

acute angle	right angle	obtuse angle
∠	∠	∠

16. Find the sum of $\frac{1}{2}$ and $\frac{1}{6}$.

Express your answer in its simplest form.

Ans : _____

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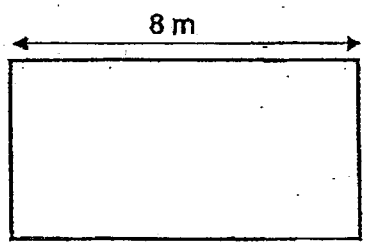
17. Peter had 40 marbles.
After he gave 7 marbles to Monica, they had the same number of marbles.
How many marbles did Monica have at first?

Ans : _____

18. Mr Lee had some oranges.
He placed 9 oranges into each box and had 165 boxes of oranges.
There were 3 oranges left unpacked.
How many oranges did Mr Lee have at first?

Ans : _____

19. The length of the rectangular field is 8 m.
Its length is twice of its breadth.
What is the area of the rectangular field?



Ans : _____ m^2

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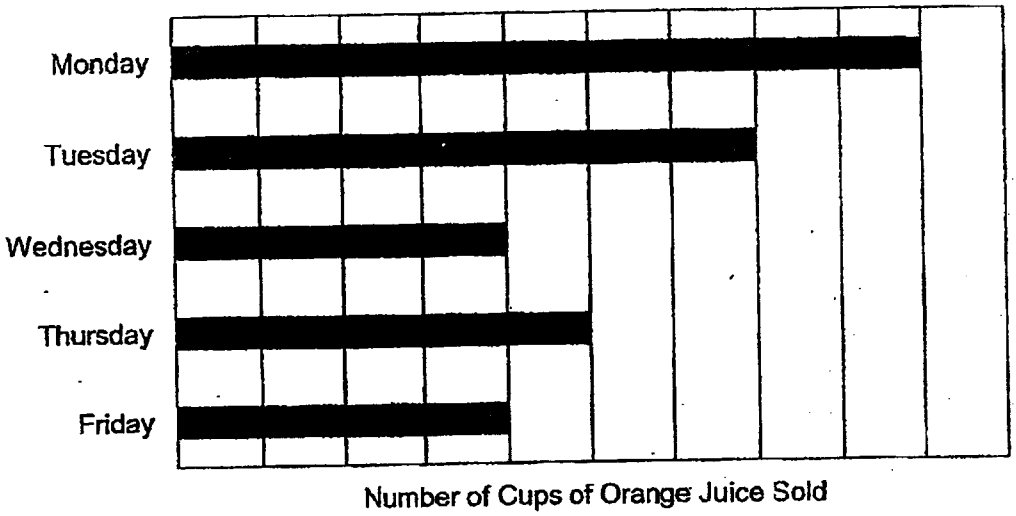
20. The graph below shows the number of cups of orange juice sold over 5 days.

The number of cups of orange juice sold is not shown.



Each statement below is either true or false.

For each statement, put a tick (✓) to indicate your answer.

Statement	True	False
Monday has the least number of cups of orange juice sold.		
The number of cups of orange juice sold on Thursday is more than the number of cups of orange juice sold on Wednesday.		
The number of cups of orange juice sold on Tuesday is twice the number of cups of orange juice sold on Friday.		

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Section C: (20 marks)

For questions 21 to 25, show your working and number statements clearly.

Write your answers in the spaces provided.

The number of marks is shown in brackets [ ] at the end of each question or part question.

Working

21. The sum of 2 numbers is 78.

The difference between the 2 numbers is 16.

a) Find the smaller number.

Ans: a) _____ [2]

b) Find the bigger number.

Ans: b) _____ [2]

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Working

22. A lunch box cost $25.

A water bottle cost $8 more than a lunch box.

A bag cost twice as much as a lunch box.

a) Which item cost the most? How much did that item cost?

Ans: a) Item: _____

Ans: Cost of item _____ [2]

b) What was the total cost of the 3 items?

Ans: b) _____ [2]

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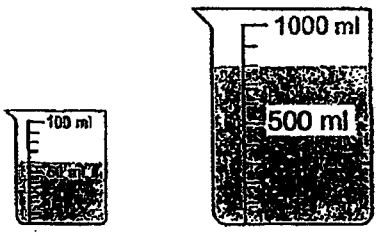
23. Gerard had some water in the two beakers.



Beaker A Beaker B

a) What was the total amount of water in the two beakers?

Ans: a) _____ [2]

b) He needed 3 ℓ of water to make some juice.
How much more water did he need to make the juice?
Give your answer in litres and millilitres.

Ans: b) _____ [2]

Working

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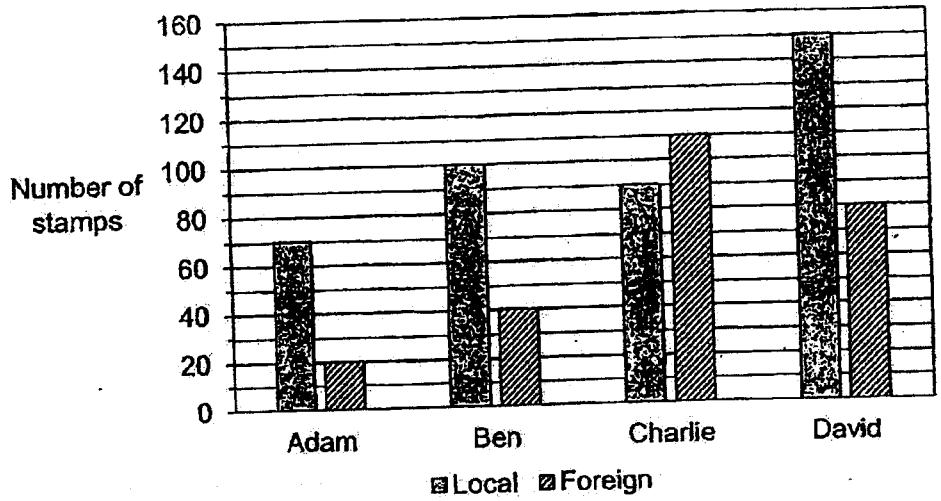
Working

24. The bar graph represents the number of local and foreign stamps collected by Adam, Ben, Charlie and David.



a) Who had the least number of local and foreign stamps in total?

Ans: a) _____ [1]

b) Who had twice as many foreign stamps as Ben?

Ans: b) _____ [1]

c) Charlie sold some local stamps to Adam.
In the end, both of them had the same number of local stamps.
Charlie sold each stamp at $2.
How much did Adam pay for the stamps?

Ans : c)_____ [2]

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25. Melody arrived at the bus-stop.
She waited 35 min for the bus.
She boarded the bus at 13 20 to go to a shopping mall.

a) What time did Melody arrive at the bus-stop?
Draw a timeline to represent the situation.

Working

Ans: a) _____ [2]

b) Melody reached the shopping mall at 13 55.
She left the shopping mall at 16 15.
How long was she at the shopping mall?
Draw a timeline to represent the situation.

Ans: b) _____ [2]

********** END OF PAPER **********

PLEASE CHECK YOUR WORK.

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YEAR : 2023
LEVEL : PRIMARY 3
SCHOOL : PEI HWA PRESBYTERIAN PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SEMESTRAL ASSESSMENT

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

Q11 17

Q12 0

Q13 3

Q14
(a) <
(b) <

Q15

acute angle	right angle	obtuse angle
a	c	b

Q16
$\frac{1}{2} = \frac{3}{6}$
$\frac{3}{6} + \frac{1}{6} = \frac{4}{6}$
$\frac{4}{6} = \frac{2}{3}$

Q17
40 – 7 = 33
33 – 7 = 26

Q18
165 x 9 = 1485
1485 + 3 = 1488

Q19 8 x 4 = 32m^2

Q20

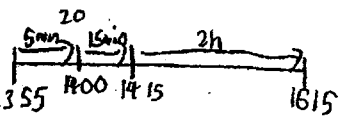
True	False
	✓
✓	
	✓

Q21
a) 78 – 16 = 62
62 ÷ 2 = 31
b) 78 – 31 = 47

Q22
a) 25 + 8 = 33
25 x 2 = $50
a) Item: Lunch box
Ans: Cost of item $50
b) 25 + 33 + 50 = $108

Q23
a) 800ml + 60ml = 860ml
b) 3000 – 860 = 2140
2140 = 2L 140ml

Q24
a) Adam
b) David
c) 90 – 70 = 20
20 ÷ 2 = 10
10 x $2 = $20

Q25
a) 12 45
b)


2h 20min

END

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