



**NAN HUA PRIMARY SCHOOL**  
**END OF YEAR EXAMINATION 2023**  
**PRIMARY THREE**

**MATHEMATICS**

**Total Time : 1 hour 45 minutes**

**INSTRUCTIONS TO CANDIDATES**

1. Write your name, register number and class in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided for Questions 1 to 16.

**Marks Obtained**

Section	Maximum Marks	Actual Marks
A	32	
B	32	
C	16	
Total	80	

Name : \_\_\_\_\_ (      )

Class : Pr 3 \_\_\_\_\_

Date : 26 October 2023

Parent's Signature : \_\_\_\_\_

*This booklet consists of 20 printed pages.*

**Section A**

Questions 1 to 16 carry 2 marks each.

For each question, four options are given. One of them is the correct answer.

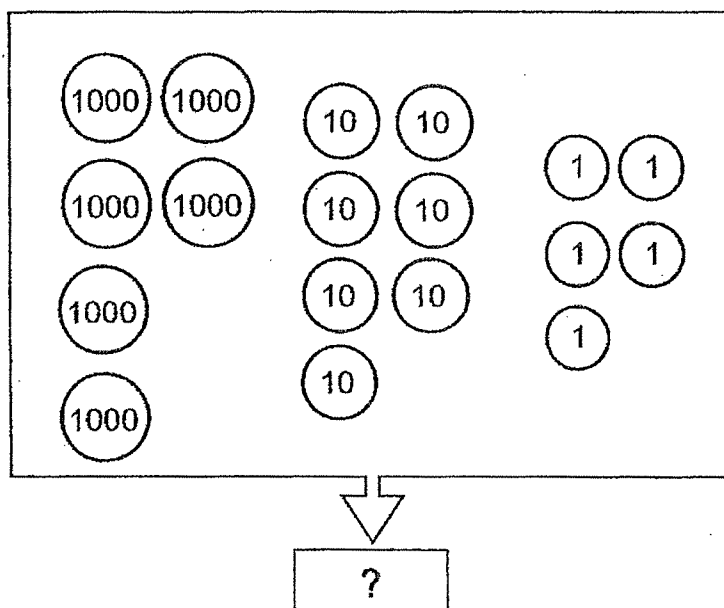
Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet.

(32 marks)

1 Which of the following is five thousand, four hundred and one in numerals?

- (1) 514
- (2) 5041
- (3) 5401
- (4) 5410

2 What is the number shown below?



- (1) 675
- (2) 6075
- (3) 6705
- (4) 6750

3 What is the quotient when 760 is divided by 7?

(1) 112

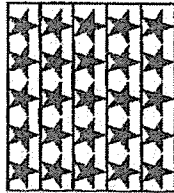
(2) 108

(3) 18

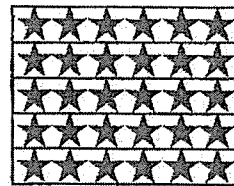
(4) 4

4 Which of the following shows 5 sixes?

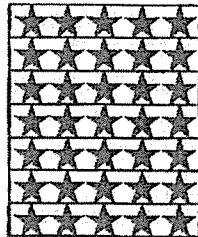
(1)



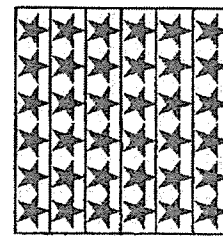
(2)



(3)



(4)



5 Which fraction is greater than  $\frac{1}{2}$ ?

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

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

(3)  $\frac{4}{7}$

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

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- 6 How many numbers between 11 and 28 can be divided exactly by 5 with no remainder?

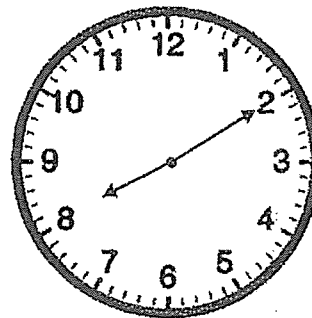
- (1) 5
- (2) 2
- (3) 3
- (4) 7

- 7 Which of the following fractions is equivalent to  $\frac{2}{3}$  ?

- (1)  $\frac{4}{9}$
- (2)  $\frac{1}{2}$
- (3)  $\frac{6}{9}$
- (4)  $\frac{5}{6}$

- 8 What is the time shown on the clock below?

- (1) 10 minutes to 8
- (2) 10 minutes past 8
- (3) 20 minutes to 2
- (4) 20 minutes past 3

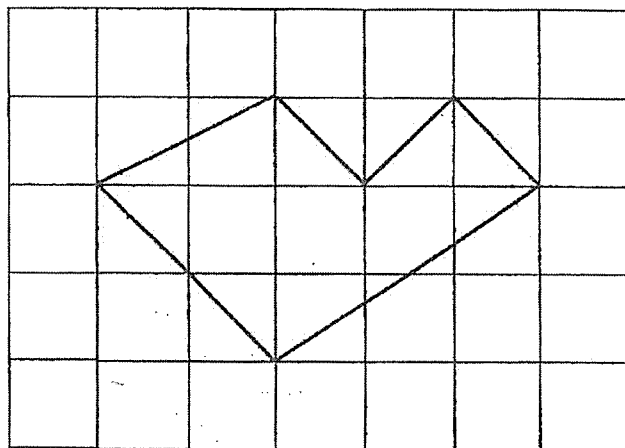


- 9 Healing Hands Clinic opens only on weekdays for the timings shown in the table below.

Opening hours	
Mondays to Fridays	9:00 am – 12:30 pm 3:30 pm – 8:00 pm
Saturdays and Sundays	Closed

How long is the clinic open on a Tuesday?

- (1) 3 h 30 min  
(2) 4 h 30 min  
(3) 7 h  
(4) 8 h
- 10 How many angles are smaller than a right angle inside the figure below?



- (1) 1  
(2) 2  
(3) 3  
(4) 6

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11 Find the value of  $\frac{6}{8} - \frac{1}{2}$ .

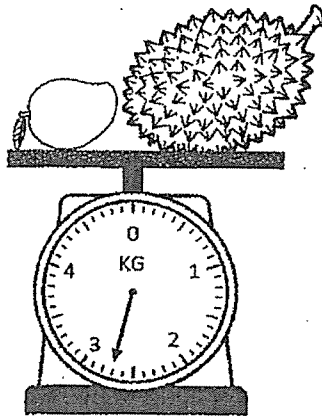
(1)  $\frac{10}{8}$

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

(3)  $\frac{7}{10}$

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

12 The figure below shows a mango and a durian on a weighing scale. The mass of the mango is 250 g. What is the mass of the durian?



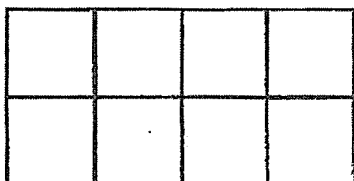
(1) 1 kg 950 g

(2) 2 kg 450 g

(3) 2 kg 700 g

(4) 2 kg 950 g

- 13 The figure below is made up of 8 identical squares.  
The length of each square is 1 cm. What is the perimeter of the figure?











- (1) 8 cm  
(2) 12 cm  
(3) 22 cm  
(4) 32 cm
- 14 Arrange the following lengths from the longest to the shortest.


1 m 20 cm, 1 km 2 m, 120 m

- |     | Longest   |             | Shortest    |
|-----|-----------|-------------|-------------|
| (1) | 1 m 20 cm | , 120 m     | , 1 km 2 m  |
| (2) | 1 m 20 cm | , 1 km 2 m  | , 120 m     |
| (3) | 1 km 2 m  | , 1 m 20 cm | , 120 m     |
| (4) | 1 km 2 m  | , 120 m     | , 1 m 20 cm |

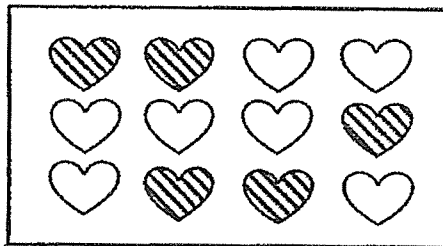
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- 15 The picture graph below shows the different types of pets kept by 63 children.

Our Pets	
Cat	
Fish	 
Hamster	   
Rabbit	
Each  stands for _____ children	

Given that the number of children who kept rabbits as pets was the same as the number of children who kept fish as pets, how many children does each  represent?

- (1) 7  
 (2) 9  
 (3) 441  
 (4) 567
- 16 Ariel wants to shade  $\frac{3}{4}$  of the hearts. How many more hearts should she shade?



- (1) 5  
 (2) 7  
 (3) 9  
 (4) 4

**Section B**

Questions 17 to 32 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(32 marks)

17 Use the following digits to form the smallest four-digit even number.

5	7	2	1
---	---	---	---

Ans: \_\_\_\_\_

☐

18 Write the missing number in the number pattern below.

7120, 7000, 6880, \_\_\_\_\_, 6640, 6520

Ans : \_\_\_\_\_

Please do not write in the margin

☐

19 What is the product of 712 and 4?

Ans: \_\_\_\_\_

☐

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- 20 What is the missing number in the box?

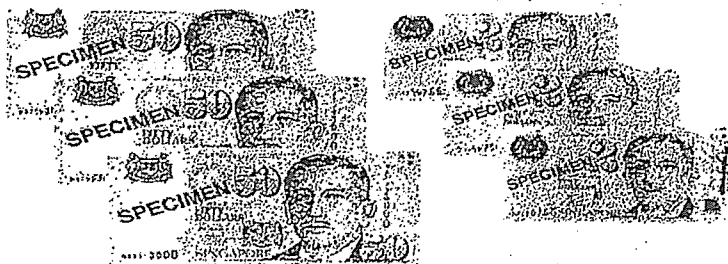
$$\square \times 9 = 432$$

Ans : \_\_\_\_\_

- 21 Mrs Seto bakes 438 cupcakes. Each box can only fit 4 cupcakes. What is the number of boxes she will need to pack all the cupcakes?

Ans : \_\_\_\_\_

- 22 A toy costs \$223.50. Keith has the total amount of money as shown below. How much more money does he need to purchase the toy?



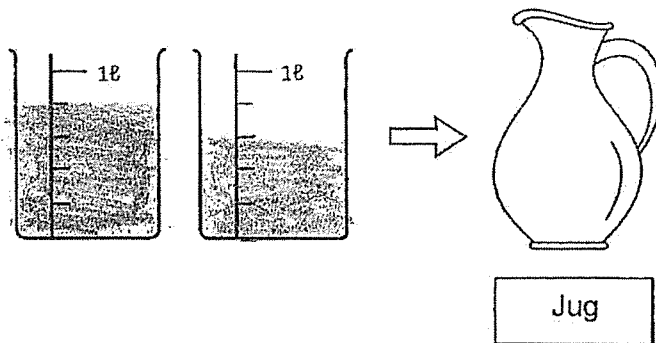
Ans : \$ \_\_\_\_\_

Please do not write in the margin

- 23 The difference between two numbers is 832. The greater number is 986.  
What is the smaller number?

Ans : \_\_\_\_\_

- 24 All the water from the two beakers were poured into the jug. 125 ml of water flowed out from the jug. Find the capacity of the jug.  
Express your answer in litres and millilitres.



Ans: \_\_\_\_\_ ℓ \_\_\_\_\_ ml

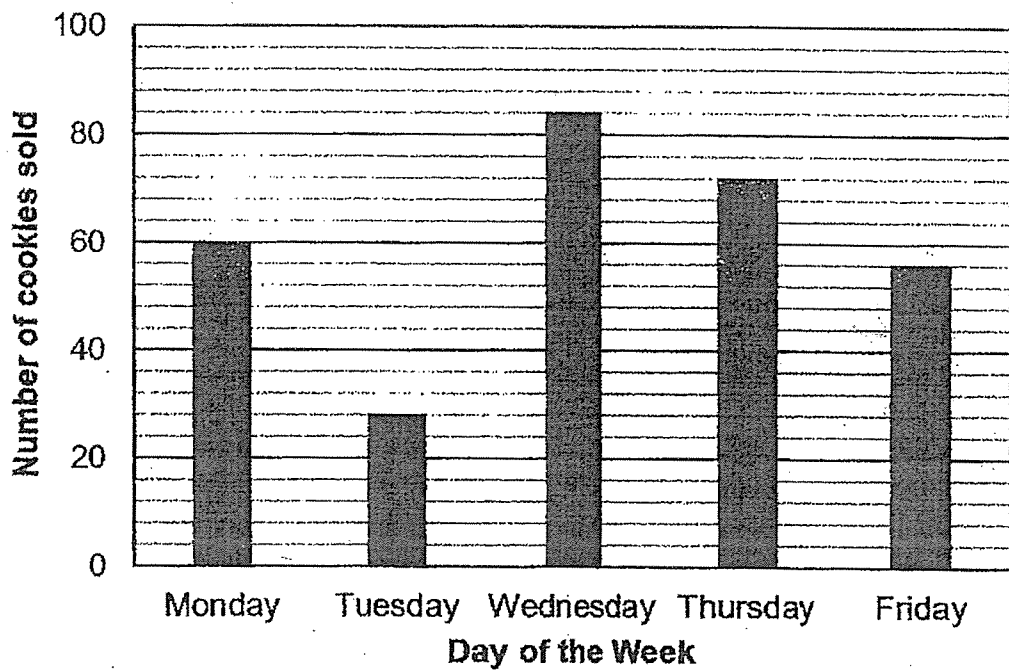
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- 25 There are 30 apples and 25 pears in a crate. How many fruits are there in 6 similar crates?

Ans : \_\_\_\_\_

- 26 A baker bakes 100 cookies at the start of each day from Monday to Friday. The bar graph shows the numbers of cookies sold each day.

Study the graph below and answer the question.

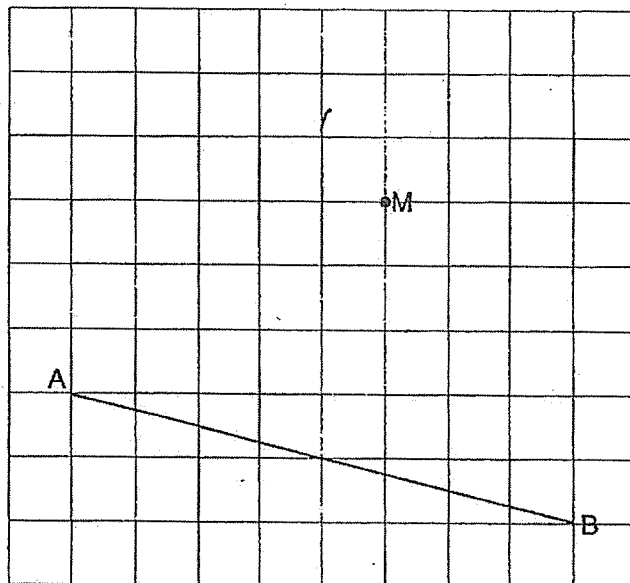


How many cookies were unsold on Monday and Tuesday?

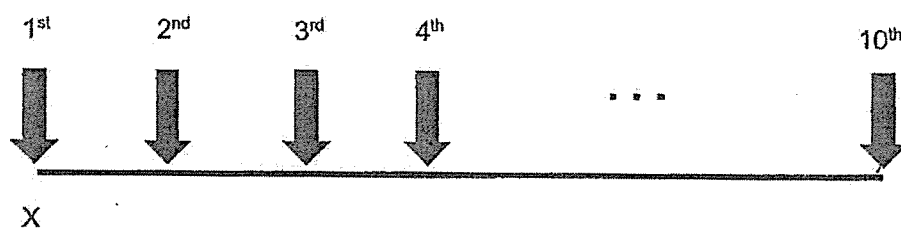
Ans : \_\_\_\_\_

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- 27 In the grid below, draw a line perpendicular to AB, passing through point M.



- 28 10 arrows are spaced out equally along Line XY. The distance between the 1<sup>st</sup> arrow and the 4<sup>th</sup> arrow is 180 cm. Find the length of Line XY.



Ans : \_\_\_\_\_ cm

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- 29 The sum of 2 numbers is 3764. The difference of the 2 numbers is 132. Find the greater number.

Ans : \_\_\_\_\_

- 30 A bus left a bus interchange with some people onboard. When it reached the first bus-stop, 7 people boarded the bus and 9 people alighted the bus. There were 24 people on the bus when it left the bus-stop. How many people were onboard the bus when it left the bus interchange?

Ans : \_\_\_\_\_

Please do not write in the margin



- 31 Anne baked 240 more chocolate tarts than strawberry tarts. She baked 9 times as many chocolate tarts as strawberry tarts. How many tarts did she bake?

Ans : \_\_\_\_\_

- 32 Joe took 1 h 25 min to complete his painting. He finished his painting at 1:10pm. What time did Joe start painting?  
Give your answer in 24-h clock.

Ans: \_\_\_\_\_

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**Section C**

For questions 33 to 37, show your working clearly and write your answers in the spaces provided. The number of marks is shown in brackets [ ] at the end of each question or part-question. (16 marks)

- 33 Jeya collected 2540 bottle caps. He collected 1230 more bottle caps than Hansel. How many bottle caps did they collect altogether?

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Ans: \_\_\_\_\_ [3]



- 34 In a tin, there are 482 blue, green and yellow marbles altogether. There are three times as many blue marbles as green marbles. There are 42 yellow marbles. How many blue marbles are there in the tin?

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Ans: \_\_\_\_\_ [3]



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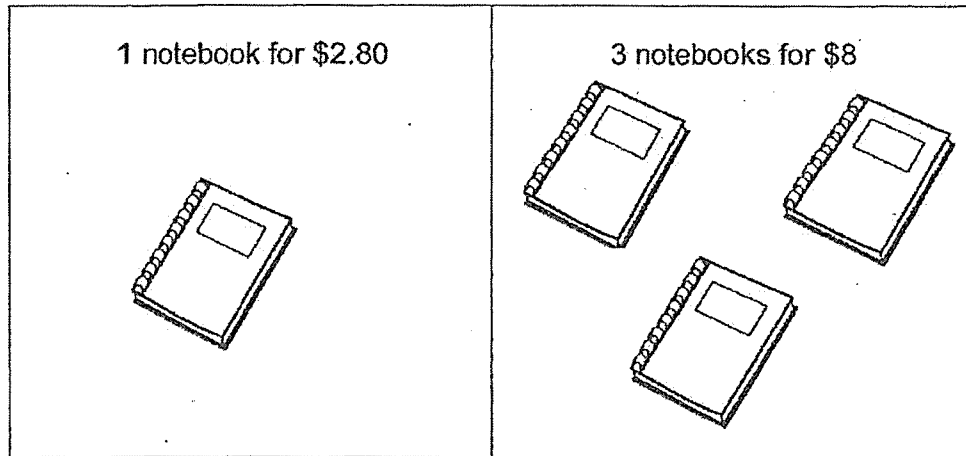
- 35 Li Ming had 432 pears. He put them into 6 equal bags. He gave 2 bags to Ali. How many pears had Li Ming left?

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Ans: \_\_\_\_\_ [3]



- 36 Notebooks are sold in a shop as shown.



Mr Muthu bought 14 notebooks. What was the least amount of money he needed to pay for all the notebooks?

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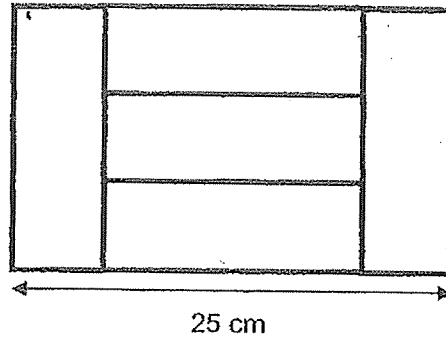
Ans: \_\_\_\_\_ [4]



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- 37 The figure below is made up of 5 identical rectangular tiles.

Find the area of 1 tile.



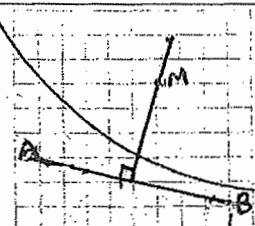
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Ans: \_\_\_\_\_ [3]

End of Paper

YEAR : 2023  
 LEVEL : PRIMARY 3  
 SCHOOL : NAN HUA PRIMARY SCHOOL  
 SUBJECT : MATHEMATICS  
 TERM : END OF YEAR EXAMINATION

Q1	3	Q2	2	Q3	2	Q4	2	Q5	3
Q6	3	Q7	3	Q8	2	Q9	4	Q10	2
Q11	4	Q12	2	Q13	2	Q14	4	Q15	1
Q16	4								

Q17	1572	Q18	6760
Q19	2848	Q20	48
Q21	$438 \div 4 = 109 \text{ R}3$ $109 + 1 = 110$	Q22	$\$223.50 - \$156 = \$67.50$
Q23	$980 - 832 = 154$	Q24	$800 + 600 = 1400$ $1400 - 125 = 1275\text{ml}$ $= 1\text{L } 275\text{ml}$
Q25	$55 \times 6 = 330$	Q26	$100 - 60 = 40$ $100 - 28 = 72$ $40 + 72 = 112$
Q27		Q28	$180 \div 3 = 60$ $60 \times 9 = 540\text{cm}$
Q29	$3632 \div 2 = 1816$ $1816 + 132 = 1948$	Q30	$24 - 7 = 17$ $17 + 9 = 26$
Q31	$9u - 1u = 8u$ $240 \div 8 = 30$ $30 \times 10 = 300$	Q32	11 45
Q33	$1310 + 2540 = 3850$	Q34	$4u \rightarrow 482 - 42 = 440$ $1u \rightarrow 440 \div 4 = 110$ $3u \rightarrow 110 \times 3 = 330$ There are 330 marbles in the tin.
Q35	$432 \div 6 = 72$ $72 \times 2 = 144$ $432 - 144 = 288$	Q36	$14 \div 3 = 12 \text{ R}2$ $\$2.80 \times 2 = \$5.60$ $\$8 \times 4 = \$32$ $\$32 + \$5.60 = \$37.60$
Q37	$25\text{cm} \div 5 = 5\text{cm}$ $5\text{cm} \times 3 = 15\text{cm}$ $15\text{cm} \times 5 = 75\text{cm}^2$		

END