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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.

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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?

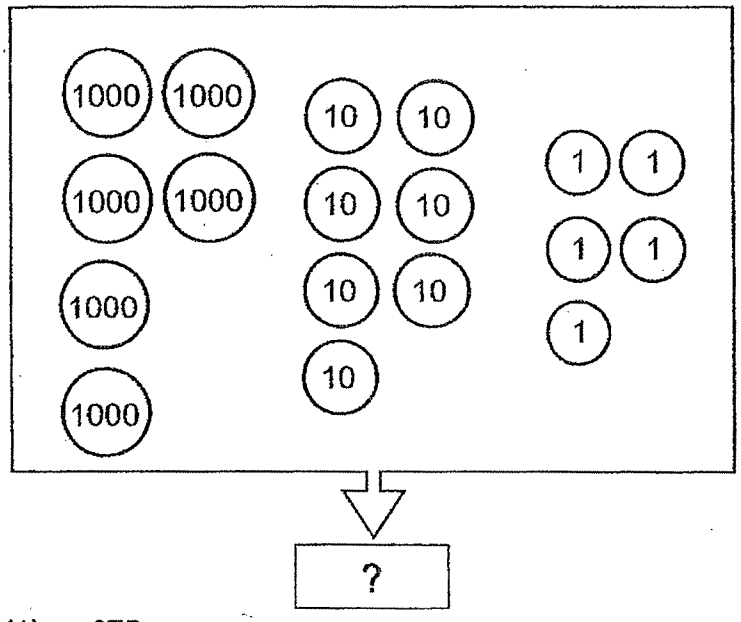
(1) 514

(2) 5041

(3) 5401

(4) 5410

2 What is the number shown below?



(1) 675

(2) 6075

(3) 6705

(4) 6750

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

(1) 112

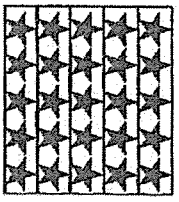
(2) 108

(3) 18

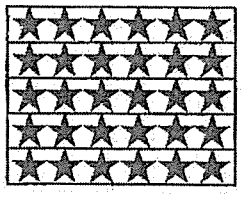
(4) 4

4 Which of the following shows 5 sixes?

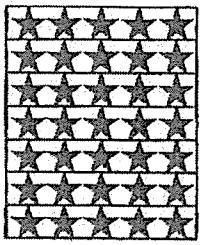
(1)



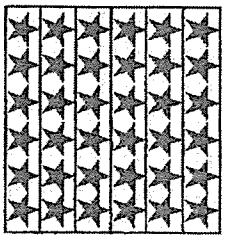
(2)



(3)



(4)



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

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

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

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

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

(Go on to the next page)

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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) $\frac{5}{6}$

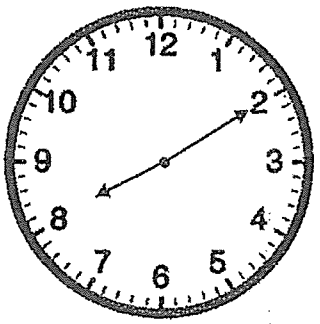
8 What is the time shown on the clock below?

(1) 10 minutes to 8

(2) 10 minutes past 8

(3) 20 minutes to 2

(4) 20 minutes past 3



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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?

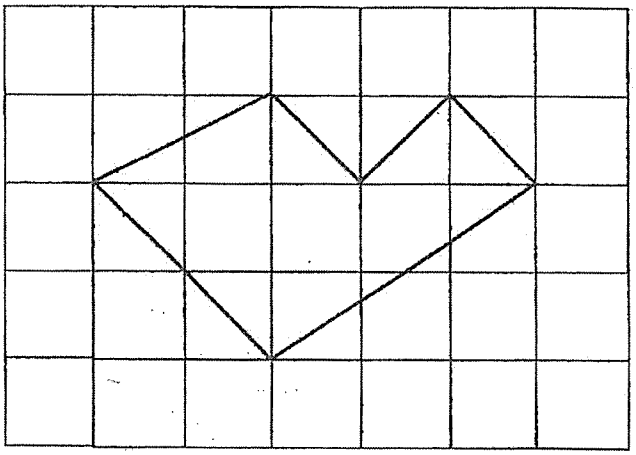
(1) 3 h 30 min

(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 $\frac{6}{8} - \frac{1}{2}$.

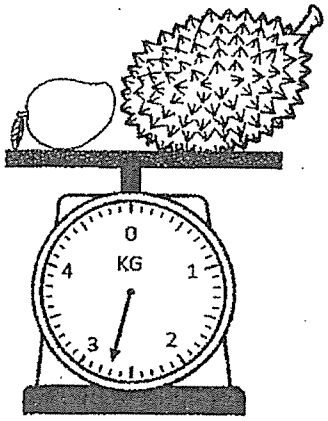
(1) $\frac{10}{8}$

(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

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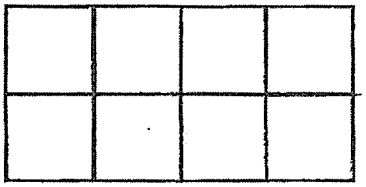
13 The figure below is made up of 8 identical squares.

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?

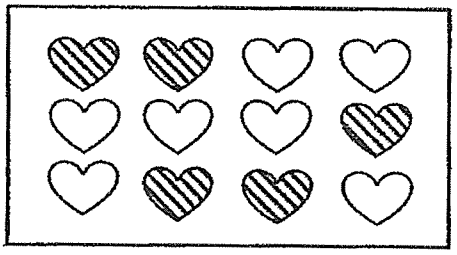
(1) 7

(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

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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 : _____

19 What is the product of 712 and 4?

Ans: _____

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20 What is the missing number in the box?

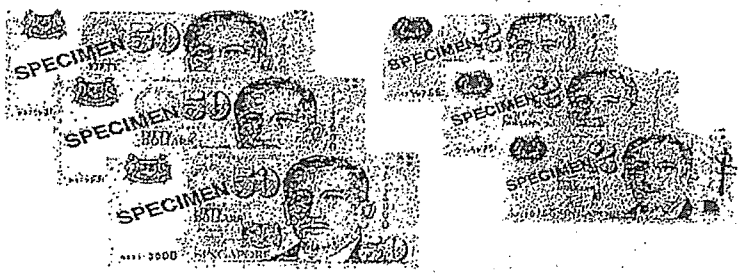
☐ X 9 = 432

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 : $ _____

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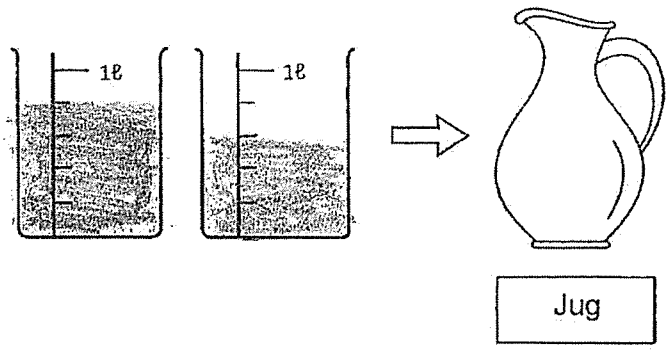
23 The difference between two numbers is 832. The greater number is 986.
What is the smaller number?

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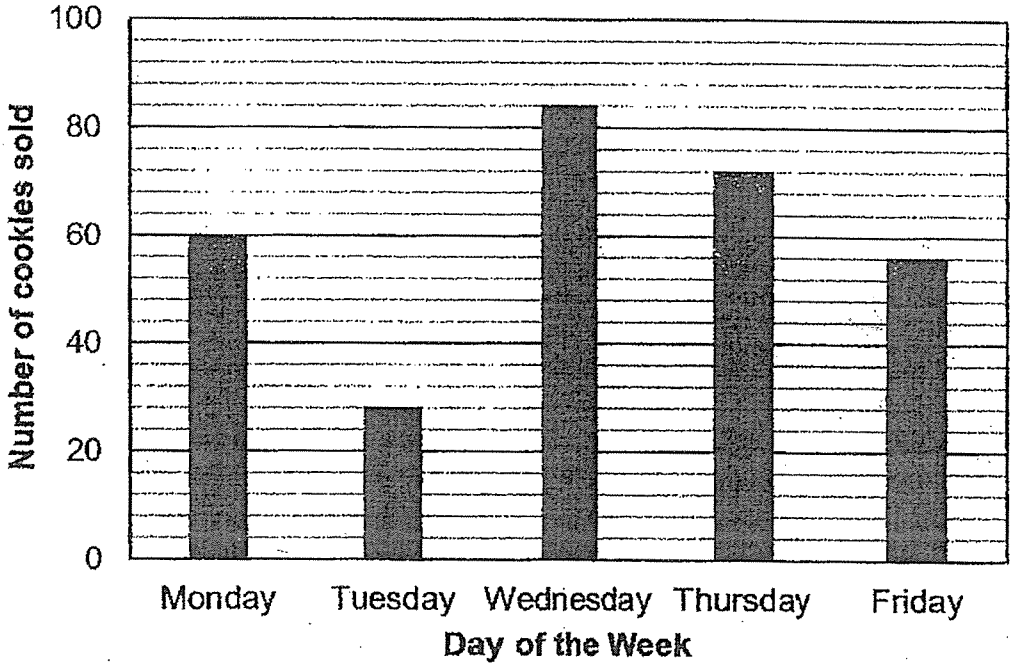
25 There are 30 apples and 25 pears in a crate. How many fruits are there in 6 similar crates?

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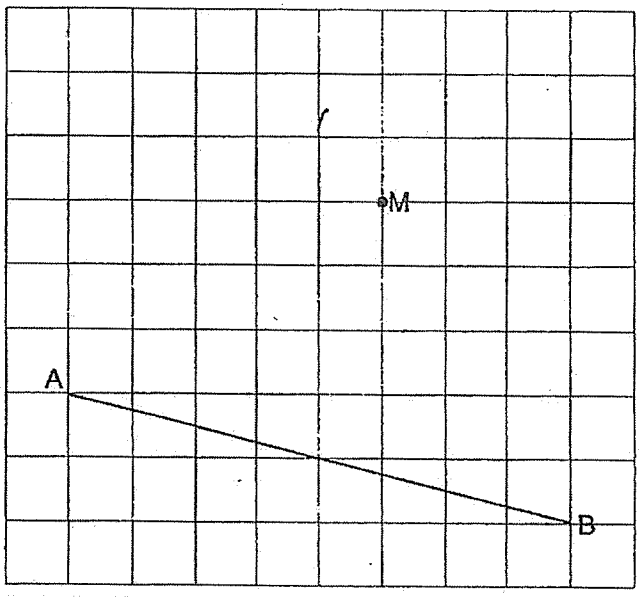
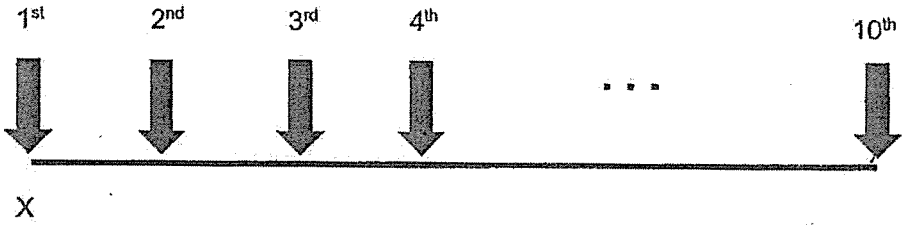
27 In the grid below, draw a line perpendicular to AB, passing through point M.



28 10 arrows are spaced out equally along Line XY. The distance between the 1st arrow and the 4th 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 : _____

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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?

Ans: _____ [3]

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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?

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?

Ans: _____ [3]

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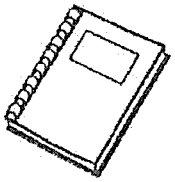
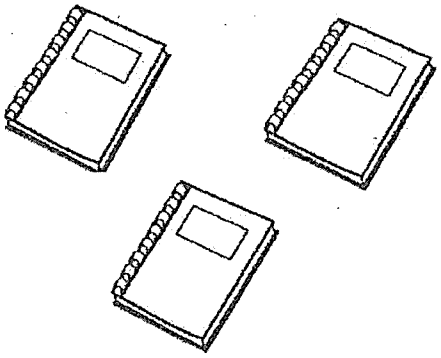
36 Notebooks are sold in a shop as shown.

1 notebook for $2.80	3 notebooks for $8
	

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

Ans: _____ [4]

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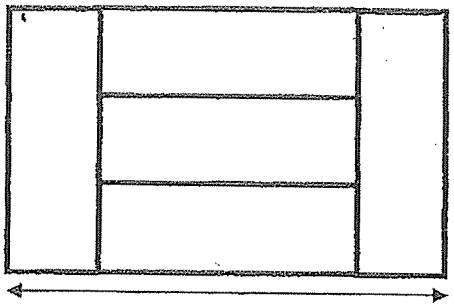
37 The figure below is made up of 5 identical rectangular tiles.

Find the area of 1 tile.



Ans: _____ [3]

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End of Paper

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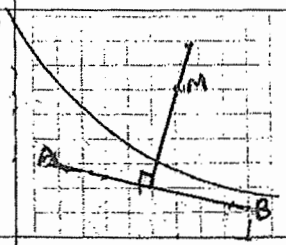
YEAR : 2023
LEVEL : PRIMARY 3
SCHOOL : NAN HUA PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : END OF YEAR EXAMINATION

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 ÷ 4 = 109 R3 109 + 1 = 110	Q22	$223.50 - $156 = $67.50
Q23	980 – 832 = 154	Q24	800 + 600 = 1400 1400 – 125 = 1275ml = 1L 275ml
Q25	55 x 6 = 330	Q26	100 – 60 = 40 100 – 28 = 72 40 + 72 = 112
Q27		Q28	180 ÷ 3 = 60 60 x 9 = 540cm
Q29	3632 ÷ 2 = 1816 1816 + 132 = 1948	Q30	24 – 7 = 17 17 + 9 = 26
Q31	9u – 1u = 8u 240 ÷ 8 = 30 30 x 10 = 300	Q32	11 45
Q33	1310 + 2540 = 3850	Q34	4u → 482 – 42 = 440 1u → 440 ÷ 4 = 110 3u → 110 x 3 = 330 There are 330 marbles in the tin.
Q35	432 ÷ 6 = 72 72 x 2 = 144 432 – 144 = 288	Q36	14 ÷ 3 = 12 R2 $2.80 x 2 = $5.60 $8 x 4 = $32 $32 + $5.60 = $37.60
Q37	25cm ÷ 5 = 5cm 5cm x 3 = 15cm 15cm x 5 = 75cm^2		

END

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