



NAN HUA PRIMARY SCHOOL
END OF YEAR EXAMINATION 2022
PRIMARY FOUR
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 20.

Marks Obtained

Section	Maximum Marks	Actual Marks
A	40	
B	40	
C	20	
Total	100	

Name : _____ ()

Class : Pr 4 _____

Date : 28 October 2022

Parent's Signature : _____

This booklet consists of 21 printed pages.

Section A

Questions 1 to 20 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.

(40 marks)

1 72 thousands and 3 tens is the same as _____.

- (1) 723
- (2) 7230
- (3) 72 003
- (4) 72 030

2 Which of the following is a factor of both 28 and 60?

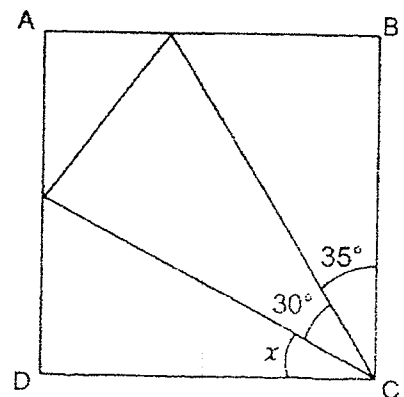
- (1) 10
- (2) 8
- (3) 7
- (4) 4

3 Write $4\frac{7}{20}$ as a decimal.

- (1) 4.72
- (2) 4.7
- (3) 4.35
- (4) 4.035

4 In the figure shown, ABCD is a square. Find $\angle x$.

- (1) 65°
- (2) 60°
- (3) 55°
- (4) 25°



5 $9\frac{5}{8} = \frac{\square}{8}$

What is the missing number in the box?

- (1) 45
- (2) 67
- (3) 72
- (4) 77

6 Find the value of $\frac{11}{12} - \frac{1}{3}$

- (1) $\frac{5}{6}$
- (2) $\frac{12}{12}$
- (3) $\frac{7}{12}$
- (4) $\frac{2}{3}$

7 Which of the following is a common multiple of 7 and 9?

- (1) 16
- (2) 35
- (3) 54
- (4) 63

- 8 Round 15.997 to two decimal places.
- (1) 15.90
 - (2) 15.98
 - (3) 15.99
 - (4) 16.00
- 9 Gideon had an appointment with his doctor but was 45 minutes late. He arrived at the clinic at 12.05 p.m. What time was Gideon's appointment?
- (1) 11.20 a.m.
 - (2) 11.20 p.m.
 - (3) 12.50 a.m.
 - (4) 12.50 p.m.
- 10 Jane gave $\frac{5}{8}$ of her stamps to Shirley. She had 285 stamps left. How many stamps did Jane have at first?
- (1) 171
 - (2) 456
 - (3) 475
 - (4) 760

- 11 Dr Ratna's Clinic opens only on weekdays for the timings shown in the table below:

Opening hours	
Mondays to Fridays	8 a.m. – 12 p.m.
	1 p.m. – 3.30 p.m.
	6 p.m. – 9 p.m.

How long is the clinic open daily?

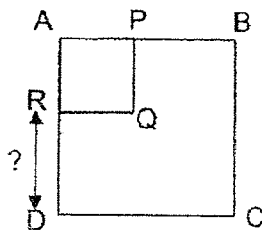
- (1) 7 h 30 min
 - (2) 8 h 30 min
 - (3) 9 h 30 min
 - (4) 10 h 30 min
- 12 The table below shows the price of meals sold at a fast-food restaurant.

	Fish Burger Meal	Chicken Burger Meal
Regular	\$6.85	\$6.50
Upsized	\$7.85	\$7.50
Apple Pie	\$2.10	

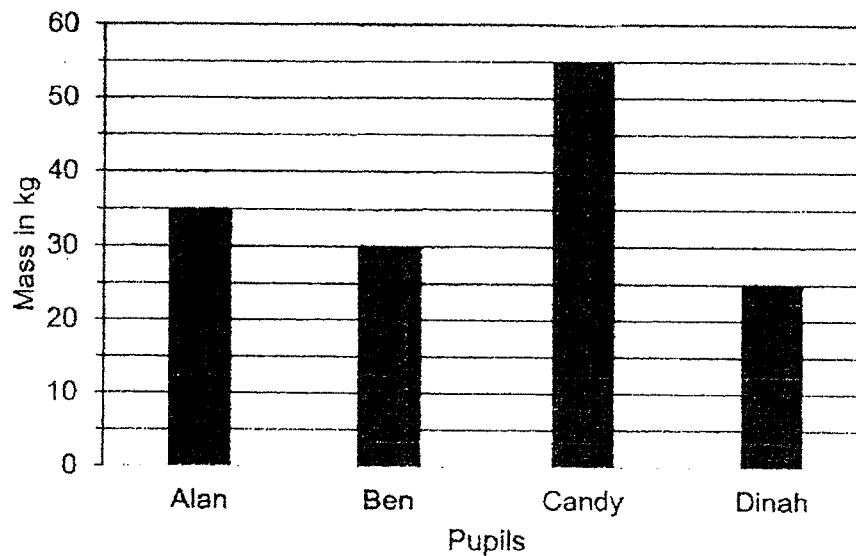
Peter ordered a regular fish burger meal, an upsized chicken burger meal and two apple pies for his lunch. How much did he pay altogether?

- (1) \$16.45
- (2) \$17.55
- (3) \$18.55
- (4) \$19.55

- 13 The area of the square ABCD is 100 cm^2 . The area of square APQR is 16 cm^2 . Find the length of RD.



- (1) 21 cm
 - (2) 14 cm
 - (3) 6 cm
 - (4) 4 cm
- 14 The bar graph shows the mass of four pupils.

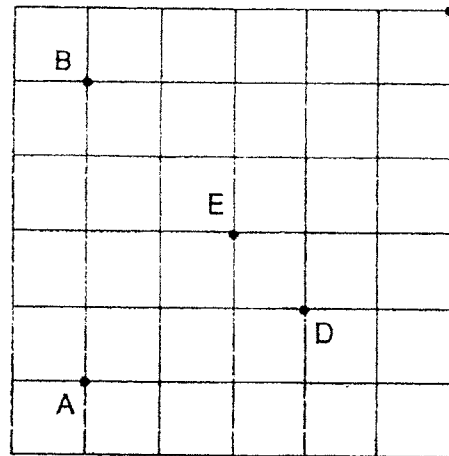


Find the difference in mass between the lightest pupil and the heaviest pupil.

- (1) 20 kg
- (2) 25 kg
- (3) 30 kg
- (4) 80 kg

- 15 Jane is at Point E and facing North-west. If she makes a $\frac{3}{4}$ - turn anti-clockwise, she will face Point _____.

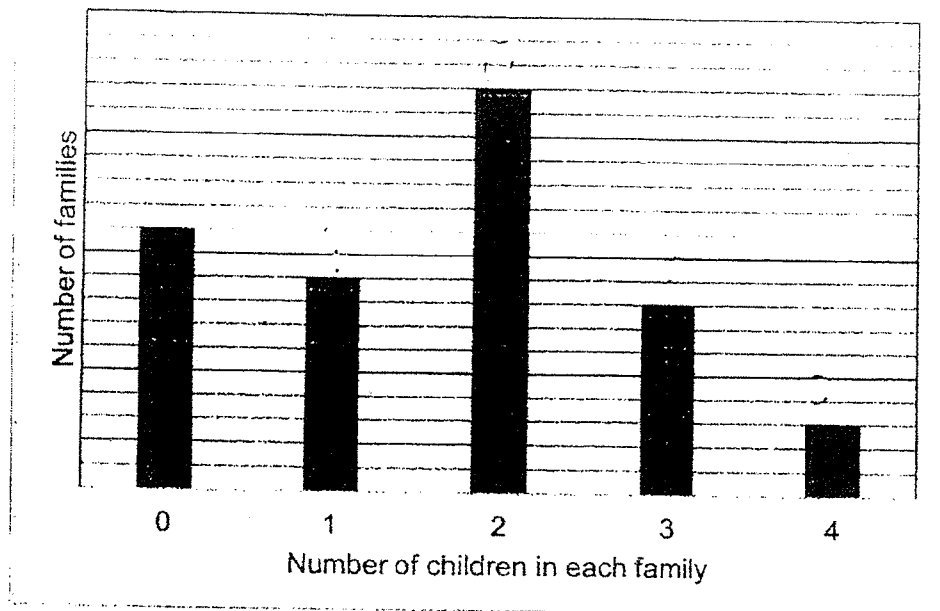
C



- (1) A
 - (2) B
 - (3) C
 - (4) D
- 16 There are 2380 members in the Art Club. There were 168 more girls than boys in Art Club. How many girls are there in the Art Club?
- (1) 1106
 - (2) 1274
 - (3) 1358
 - (4) 2212
- 17 Michael and Vincent saved a total of \$420. After giving \$15 to Vincent, Michael had three times as much money as Vincent. How much more money did Michael have than Vincent at first?
- (1) \$105
 - (2) \$210
 - (3) \$225
 - (4) \$240

Use the information below to answer Question 18 and 19.

The bar graph below shows the number of children in each family in a particular block of condominium. There were 28 families in total with at least two children.



18 How many families have one child?

- (1) 8
- (2) 9
- (3) 16
- (4) 18

19 How many children are there in total?

- (1) 37
- (2) 48
- (3) 79
- (4) 90

- 20 Apples are sold 8 in a bag and oranges are sold 12 in a bag. Meili wants to buy the same number of apples and oranges for her party. What is the least total number of bags of apples and oranges if she needs to buy more than 40 fruits?

- (1) 5
- (2) 10
- (3) 15
- (4) 20

Section B

Questions 21 to 40 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. (40 marks)

Do not write
in this space

21 Round 54 620 to the nearest hundred.

Ans : _____

22 What is the remainder when 1214 is divided by 7?

Ans : _____

23 Write the missing number in the number pattern below.

13 000 , 12 300 , 11 600 , 10 900 , _____ , 9500

Ans : _____

24 Express 0.2 as a fraction.

Ans : _____

- 25 Which two of the fractions below are smaller than $\frac{1}{2}$?

$$\frac{3}{5}, \frac{4}{9}, \frac{5}{10}, \frac{5}{11}$$

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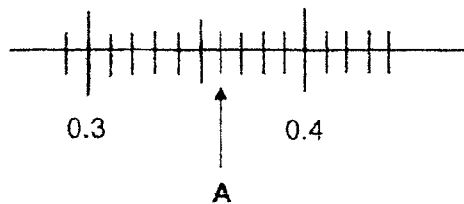
Ans : _____ and _____

- 26 What is the value of $\frac{5}{8} + \frac{3}{4}$?

Express your answer as a mixed number.

Ans : _____

- 27 Write the decimal represented by A.



Ans : _____

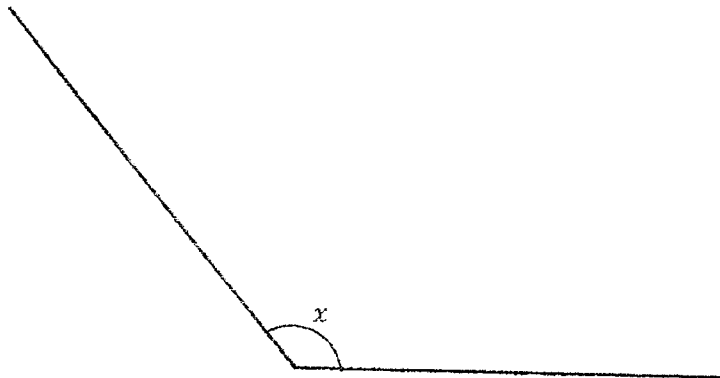
- 28 Find the value of 8.36×6 .

Ans : _____

(Go on to the next page)

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

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in this space



Ans : _____ °

30 $9988 \times 7 =$ _____

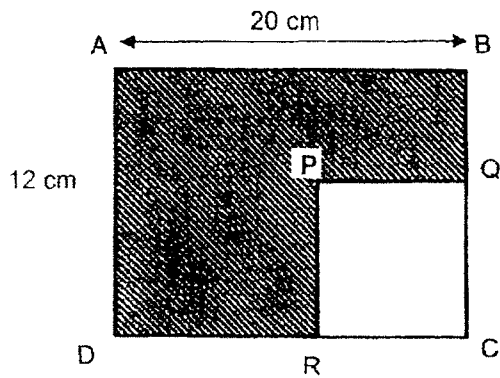
Ans : _____

31 A big box contains twice as many chocolates as a small box. There is a total of 60 chocolates in three small boxes and one big box. How many chocolates does the big box contain?

Ans : _____

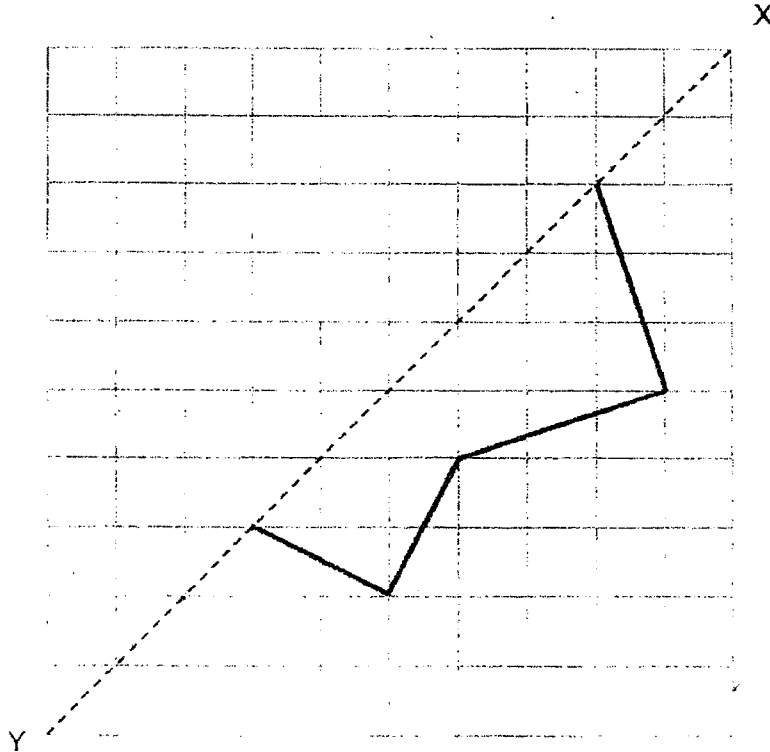
- 32 The figure below shows a rectangle ABCD and a square PQCR. Find the perimeter of the shaded part.

Do not write
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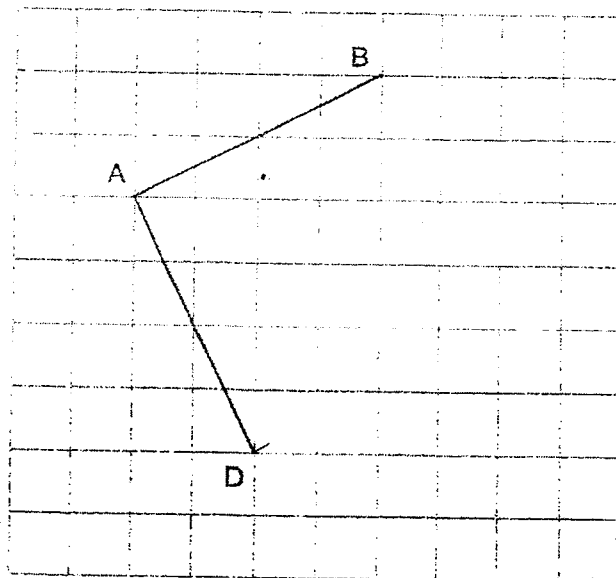
Ans : _____ cm

- 33 Complete the symmetric figure below with XY as the line of symmetry.



(Go on to the next page)

- 34 In the grid below, draw and label the square ABCD.
Lines AB and AD have been drawn for you.



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- 35 A pen is 9.18 cm long and a ruler is 3.47 cm longer than the pen. A glue stick is 5.26 cm shorter than the ruler. What is the length of the glue stick?

Ans : _____ cm

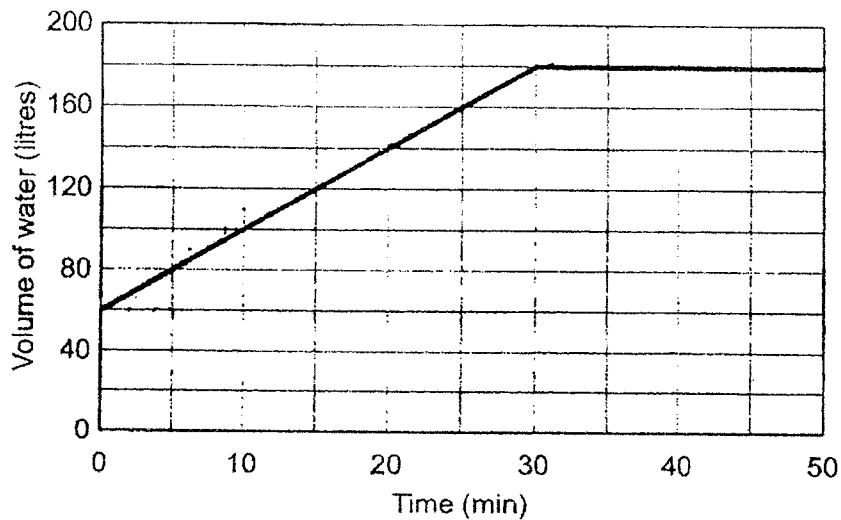
- 36 Hugh has three times as much money as Susanna.
After Susanna gives \$20 to Hugh, Hugh has \$110 more than Susanna.
How much does Susanna have in the end?

Ans : \$ _____

Use the information below to answer Question 37, 38 and 39.

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A rectangular tank was partly filled with water. A tap was then turned on for 30 minutes to fill the tank completely. The line graph shows the volume of water in the tank at regular intervals of time.



37 What was the volume of water in the tank at the beginning?

Ans : _____ l

38 What was the capacity of the rectangular tank?

Ans : _____ l

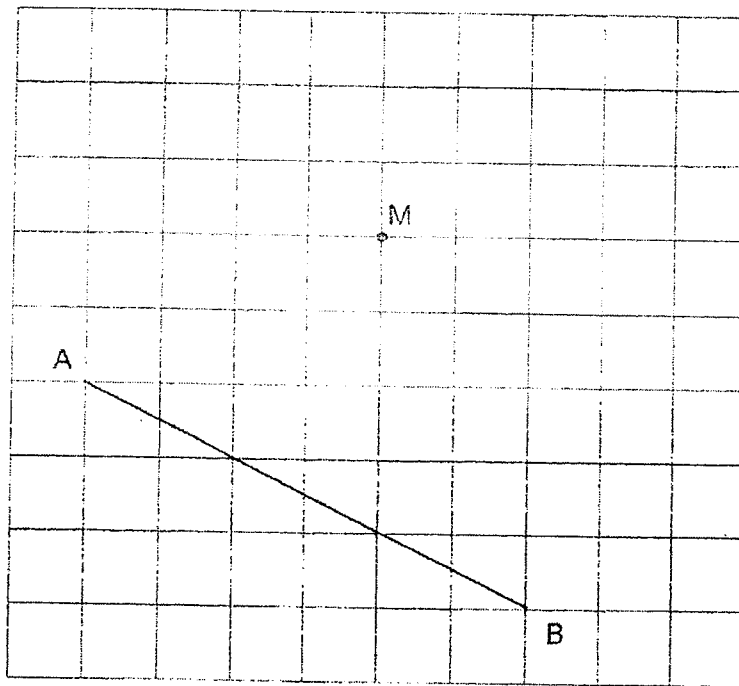
39 How long did it take to fill the tank completely?

Ans : _____ min

(Go on to the next page)

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

Do not write
in this space



Section C

For questions 41 to 46, show your working clearly and write your answers in the space provided. The number of marks available is shown in the brackets [] at the end of the question or part-question. (20 marks)

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- 41 Tammy had 1 ℓ of lemonade. She drank $\frac{3}{8}$ ℓ of it and gave her brother $\frac{2}{5}$ ℓ.

How much lemonade did Tammy have left?

Ans: _____ [3]

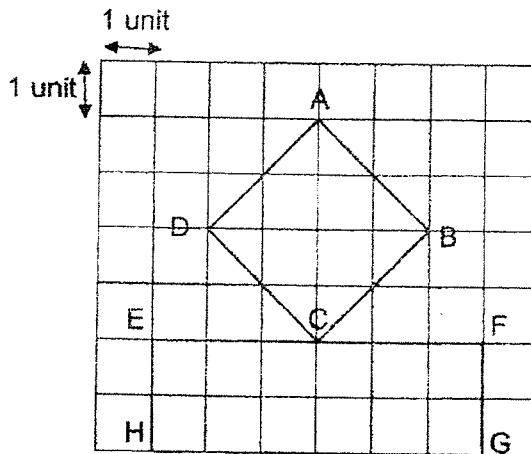
- 42 Xiu Lan's weekly allowance was \$13.50 and De Ming's weekly allowance was \$24. De Ming saved \$3.75 and spent the rest. Xiu Lan spent all her money. How much more money did De Ming spend than Xiu Lan?

Ans: _____ [3]

(Go on to the next page)

- 43 The figure below is made up of two 4-sided figures, ABCD and EFGH drawn on a square grid.

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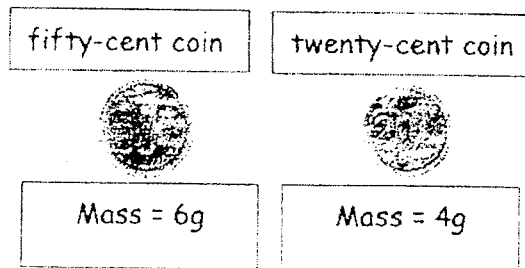


Each of the statements below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) to indicate your answer.

	Properties	True	False	Not possible to tell
(a)	ABCD is a square.			
(b)	The length of EF is 12 cm.			
(c)	The area of ABCD is greater than the area of EFGH.			

[3]

44

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Bala has nine coins made up of 20 cents and 50 cents. The total mass of the coins is 42 g. What is the total value of the nine coins?

Ans: _____ [4]



(Go on to the next page)

- 45 Figure 1 shows a rectangular sheet of paper. It is then folded on one side as shown in Figure 2. The area of the shaded part is 27 cm^2 . What is the area of the rectangular sheet of paper?

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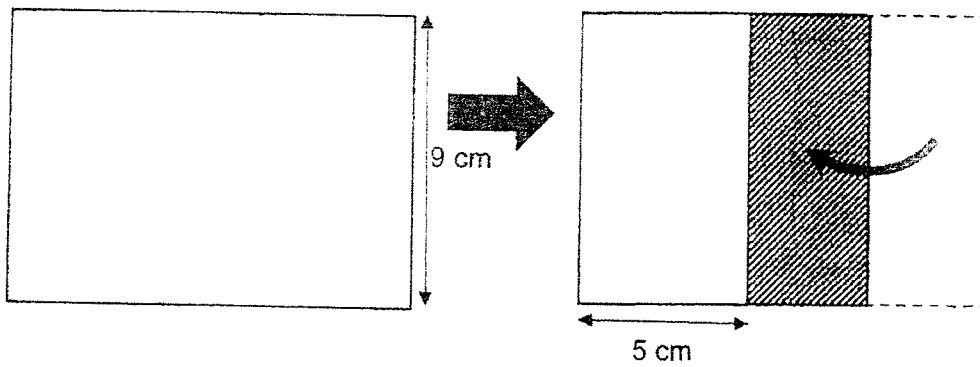


Figure 1

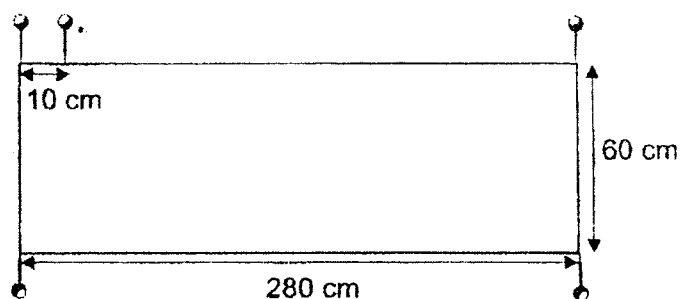
Figure 2

Ans: _____ [3]



- 46 Mrs Gomez pinned a big piece of paper onto the class notice board using some pins. Pins were placed at an equal distance around the notice board as shown in the diagram below. The distance between every two pins was 10 cm. Pins were placed at the four corners of the notice board. How many pins were used altogether?

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Ans: _____ [4]

End of paper

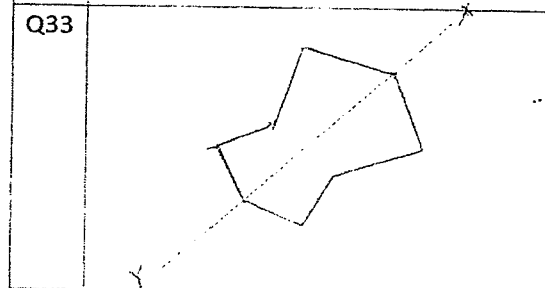
YEAR : 2022
 LEVEL : PRIMARY 4
 SCHOOL : NAN HUA PRIMARY SCHOOL
 SUBJECT : MATHEMATICS
 TERM. : END OF YEAR EXAMINATION

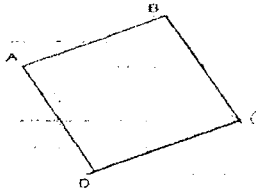
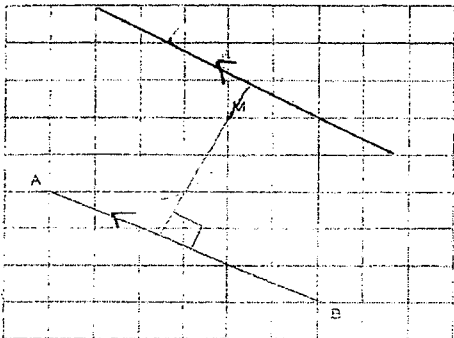
(BOOKLET A)

Q1	4	Q2	4	Q3	3	Q4	4	Q5	4
Q6	3	Q7	4	Q8	4	Q9	1	Q10	4
Q11	3	Q12	3	Q13	3	Q14	3	Q15	3
Q16	2	Q17	4	Q18	2	Q19	3	Q20	1

(BOOKLET B)

Q21	54600
Q22	3
Q23	10200
Q24	$\frac{2}{10}$
Q25	$\frac{4}{9}$ and $\frac{5}{10}$
Q26	$1\frac{3}{8}$
Q27	0.36
Q28	50.16
Q29	131°
Q30	69916
Q31	$60 \div 5 = 12$ $12 \times 2 = 24$
Q32	$20 + 12 = 32$ $32 \times 2 = 64\text{cm}$



Q34																															
Q35	$4.18 + 3.47 = 12.65$ $12.65 - 5.26 = 7.39\text{cm}$																														
Q36	$110 - 20 - 20 = 70$ $70 \div 2 = 35$ $35 - 20 = 15$																														
Q37	60¢																														
Q38	180¢																														
Q39	30min																														
Q40																															
Q41	$\frac{3}{8} + \frac{2}{5} = \frac{31}{40}$ $\frac{40}{40} - \frac{31}{40} = \frac{9}{40} \ell$																														
Q42	$\$24 - \$3.75 = \$20.25$ $\$20.25 - \$13.50 = \$6.75$																														
Q43	a)True b)Not possible to tell c)False																														
Q44	<table><tr><th colspan="2">50¢</th><th colspan="2">20¢</th><th colspan="2">Total</th></tr><tr><th>No.</th><th>Mass</th><th>No.</th><th>Mass</th><th>No.</th><th>Mass</th></tr><tr><td>5</td><td>30</td><td>4</td><td>16</td><td>9</td><td>46</td></tr><tr><td>4</td><td>24</td><td>5</td><td>20</td><td>9</td><td>44</td></tr><tr><td>3</td><td>18</td><td>6</td><td>24</td><td>9</td><td>42</td></tr></table> $3 \times 50¢ = \$1.50$ $6 \times 20¢ = \$1.20$ $\$1.50 + \$1.20 = \$2.70$	50¢		20¢		Total		No.	Mass	No.	Mass	No.	Mass	5	30	4	16	9	46	4	24	5	20	9	44	3	18	6	24	9	42
50¢		20¢		Total																											
No.	Mass	No.	Mass	No.	Mass																										
5	30	4	16	9	46																										
4	24	5	20	9	44																										
3	18	6	24	9	42																										
Q45	$9 \times 3 = 27\text{cm}^2$ $9 \times 5 = 45$ $27 \div 9 = 3$ $5 + 3 + 3 = 11$ $11 \times 9 = 99\text{cm}^2$																														
Q46	$280 \div 10 = 28$																														

$60 \div 10 = 6$ $28 \times 2 = 56$ $6 \times 2 = 12$ $56 + 12 = 68$	
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