AI TONG SCHOOL

2025

END-OF-YEAR EXAMINATION
PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 30 OCTOBER 2025

INSTRUCTIONS

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____( )

Class: Primary 4 _____

Parent's Signature	: _____
Date	: _____

Marks :

Section A	/30
Section B	/40
Section C	/30
Total	/100

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Section A

Questions **1** to **15** 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 **with a 2B pencil**.

(30 marks)

---

1 45 thousands and 6 tens is the same as _____.

(1) 456
(2) 4560
(3) 45 006
(4) 45 060

2 81 758 rounded to the nearest hundred is _____.

(1) 81 700
(2) 81 760
(3) 81 800
(4) 82 000

3 Which of the following is **not** an equivalent fraction of $\frac{1}{5}$?

(1) $\frac{2}{10}$
(2) $\frac{3}{15}$
(3) $\frac{5}{25}$
(4) $\frac{8}{30}$

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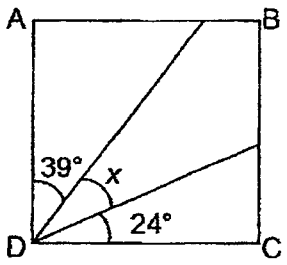
4 Write $4\frac{3}{20}$ as a decimal.

(1) 4.32
(2) 4.3
(3) 4.15
(4) 4.015

5 Which of the following is a multiple of both 5 and 8?

(1) 13
(2) 20
(3) 32
(4) 40

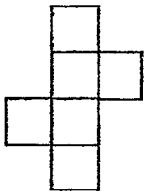
6 ABCD is a square. Find $\angle x$.

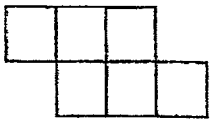


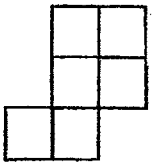
(1) 66°
(2) 63°
(3) 51°
(4) 27°

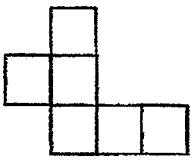
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7 Which of the following is a net of a cube?

(1) 

(2) 

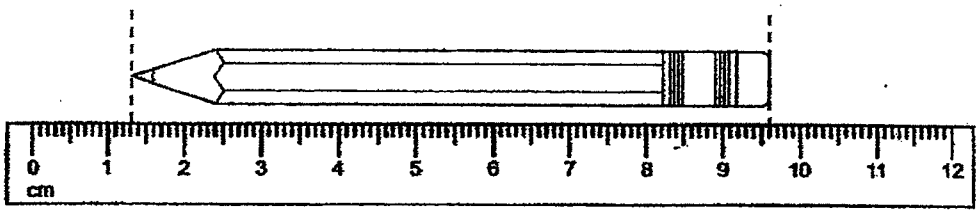
(3) 

(4) 

8 A blouse costs $22.15 and a pair of shoes costs $54.
How much more does a pair of shoes cost than a blouse?

(1) $21.61
(2) $31.85
(3) $32.15
(4) $76.15

9 What is the length of the pencil in cm?



(1) 7.8 cm
(2) 8.3 cm
(3) 9.1 cm
(4) 9.6 cm

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10 Ravi started hiking at 09 30. He completed the hike at 13 20.
How long did he hike?

(1) 3 h 10 min
(2) 3 h 50 min
(3) 4 h 10 min
(4) 4 h 50 min

11 What is the missing number in the box?

$$85.03 = 80 + 5 + \frac{3}{\square}$$

(1) 1
(2) 10
(3) 100
(4) 1000

12 Mandy bought 3 kg of beef. She cooked some of it and had $\frac{3}{8}$ kg of it left.
How many kilograms of beef did she cook?

(1) $1\frac{5}{8}$ kg
(2) $1\frac{7}{8}$ kg
(3) $2\frac{3}{8}$ kg
(4) $2\frac{5}{8}$ kg

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13 A pattern is formed using the letters A, B and C. The first 9 letters are shown.

A C C B A C C B A . . . . . .
9th

The letter C appears 52 times in the pattern. What is the least possible number of letters in the pattern?

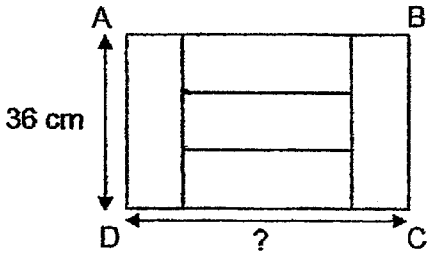
(1) 103

(2) 104

(3) 207

(4) 208

14 Rectangle ABCD is made up of 5 identical rectangles as shown below. Find the length of DC.



(1) 40 cm

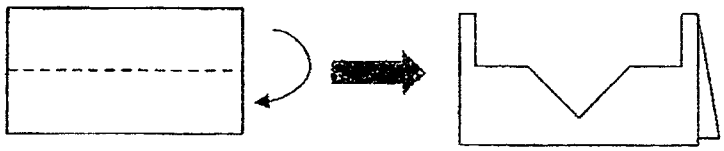
(2) 48 cm

(3) 60 cm

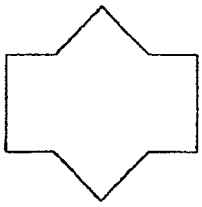
(4) 72 cm

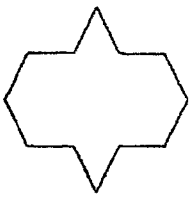
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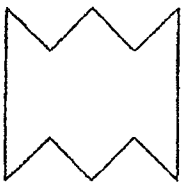
15 A piece of paper is folded into half. A symmetric figure is then cut out from it.

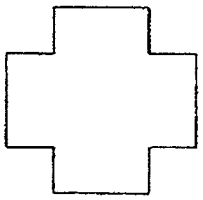


Which of the following could be the figure that has been cut out?

(1) 

(2) 

(3) 

(4) 

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Section B

Questions **16** to **35** carry 2 marks each. Show your workings clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

---

16 Write eleven thousand, three hundred and nine in numerals.

Ans: _____

---

17 Some factors of 18 are 1, 2, 3 and 18. What are the other two factors of 18?

Ans: _____ and _____

---

18 Write $3\frac{2}{5}$ as an improper fraction.

Ans: _____

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19 What is the remainder when 3568 is divided by 6?

Ans: _____

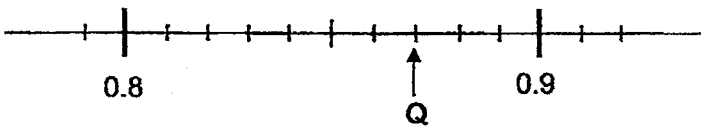
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20 What is the value of $\frac{1}{2}+\frac{5}{6}$?
Express your answer as a mixed number.

Ans: _____

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21 Write the decimal represented by Q.



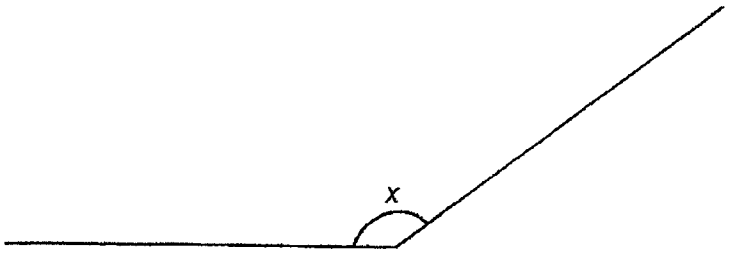
Ans: _____

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22 Find the value of 8.03 × 9.

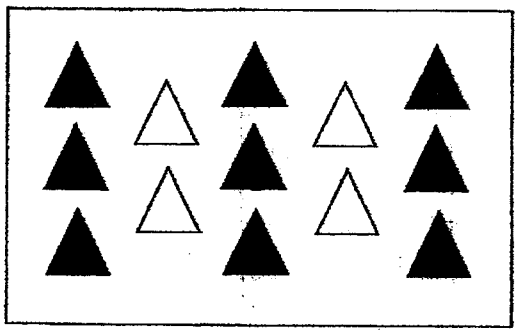
Ans: _____

23 Measure and write down the size of ∠x.



Ans: _____ °

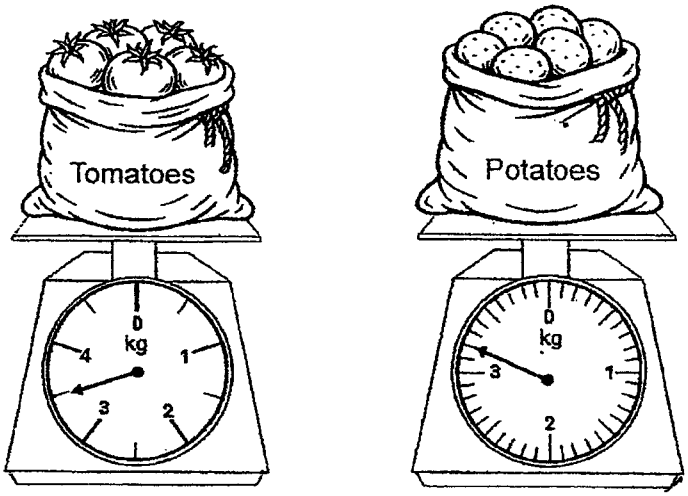
24 What fraction of the triangles shown are grey in colour?



Ans: _____

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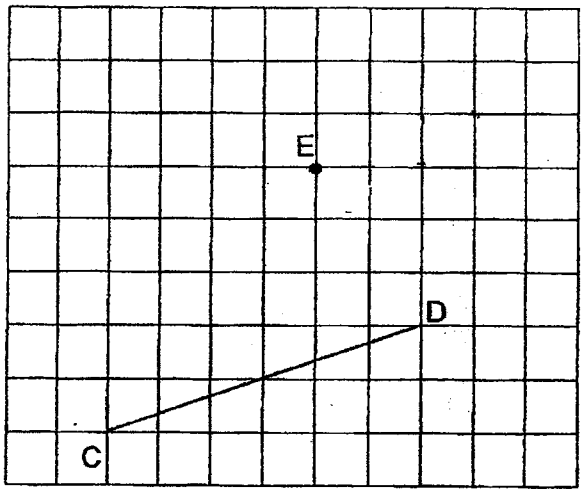
25 The mass of a bag of tomatoes and a bag of potatoes are as shown below. What is the total mass of the potatoes and tomatoes?



Ans: _____kg _____g

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26 Draw a line parallel to CD that passes through E.



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27 Figure P, Q, R and S are four different geometric figures.

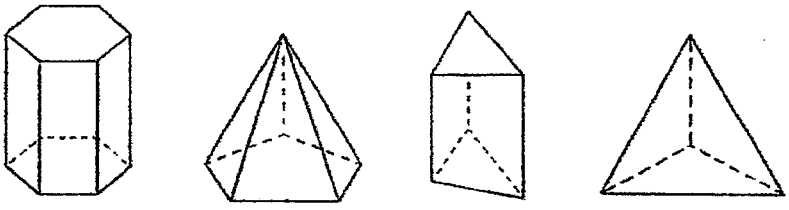


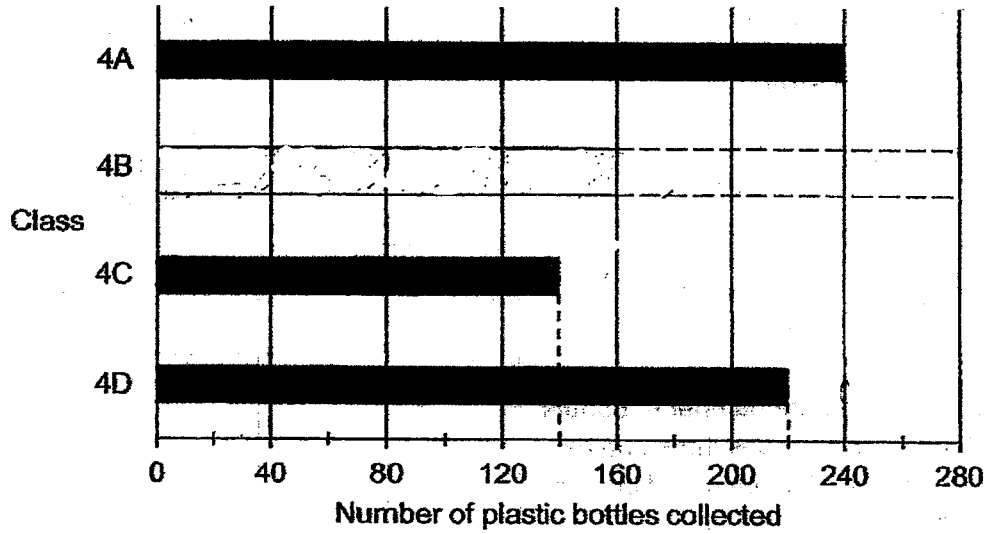
Figure P Figure Q Figure R Figure S

Which two figures are prisms?

Ans: Figure _____ and _____

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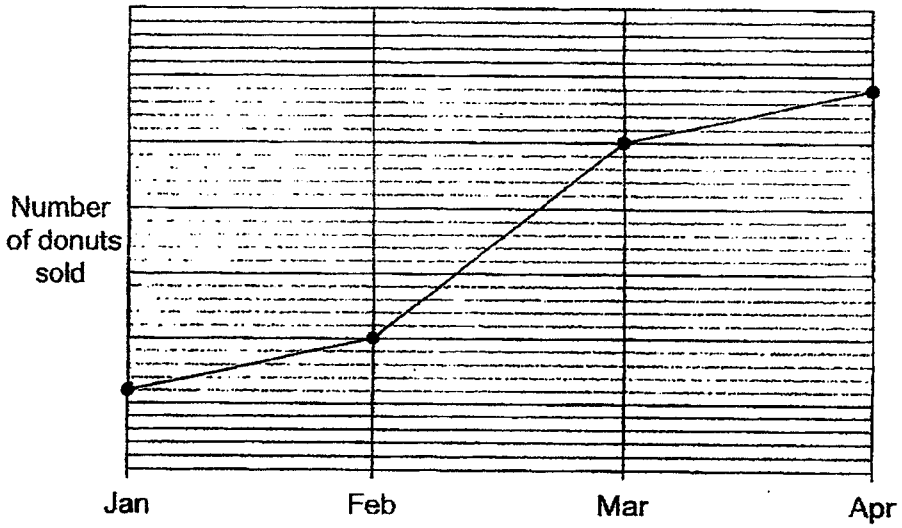
28 The graph below shows the number of plastic bottles collected by 4 classes. The bar for the number of plastic bottles collected by 4B has not been drawn.



A total of 760 plastic bottles were collected by the 4 classes.
Draw and shade the bar for the number of plastic bottles collected by 4B in the graph above.

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29 The line graph shows the number of donuts sold in a bakery from Jan to Apr.



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

Statement	True	False	Not Possible to Tell
6 donuts were baked in Jan.			
The increase in the number of donuts sold from Jan to Feb is the same as the increase in the number of donuts sold from Mar to Apr.			
The number of donuts sold in Apr is 3 times the number of donuts sold in Feb.			

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30 Each box contains 125 cookies. How many cookies are there in 36 such boxes?



Ans: _____

---

31 Find the value of $4 \div 9$. Round your answer to 1 decimal place.

Ans: _____

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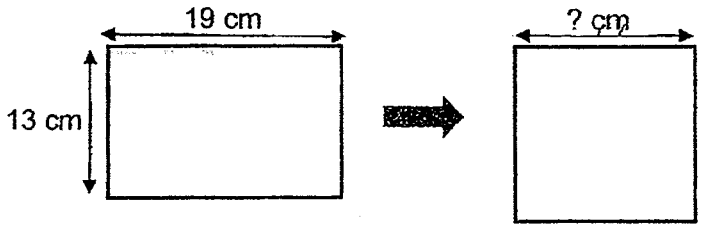
32 Jalil had some sweets. He gave $\frac{1}{6}$ of them to his brother and $\frac{5}{9}$ of them to his sister. What fraction of his sweets did he have left?
Give your answer in its simplest form.

Ans: _____

6

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33 A piece of wire is bent to form a rectangle 19 cm by 13 cm as shown.
It is then straightened and bent into a square. What is the length of the square?



Ans: _____ cm

---

34 A piece of rectangular paper WXYZ is folded as shown Figure 1.
$\angle ZYP = 17°$, find $\angle QYZ$.

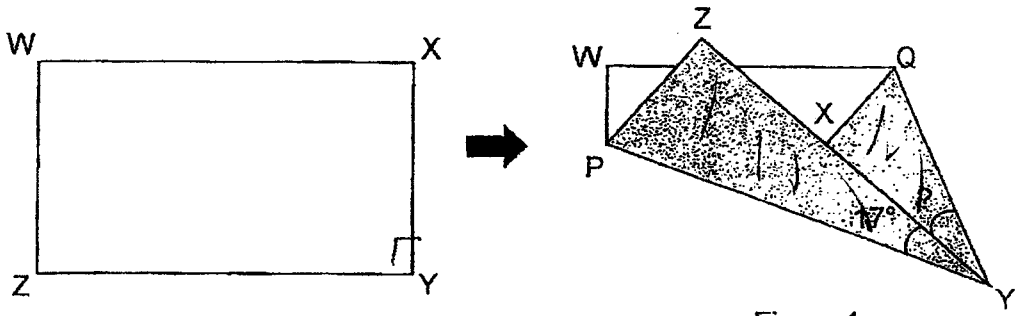
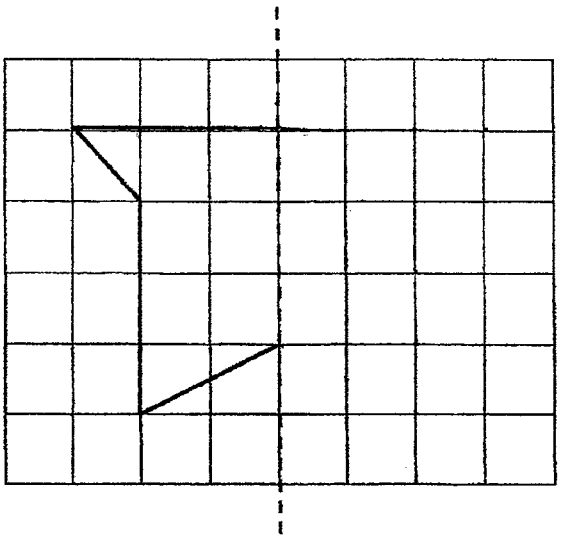


Figure 1

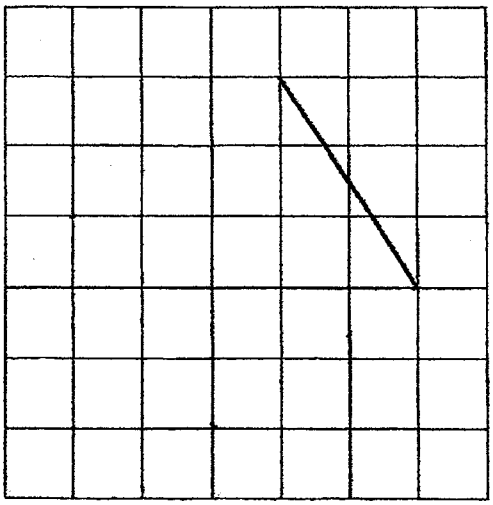
Ans: _____ °

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35 (a) The dotted line is a line of symmetry.
Complete the figure to make it symmetrical.



(b) In the square grid, one side of a square has been drawn.
Complete the drawing of the square.



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Section C

Questions **36** to **37** carry 3 marks each. Questions **38** to **43** carry 4 marks each.
Show your workings clearly and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (30 marks)

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36 Hailey has $574. She has $86 more than Isaac. Jonas has three times as much as Isaac. How much money does Jonas have?

Ans: $ _____ [3]

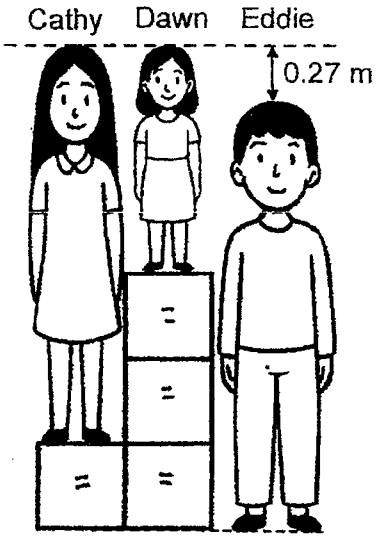
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37 There were some green, yellow and blue beads in a box. $\frac{1}{3}$ of them were green beads and $\frac{2}{9}$ of them were yellow beads. There were 308 blue beads. How many green and yellow beads were there in the box?

Ans: _____ [3]

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38 Cathy is 1.68 m tall and Dawn is 1.04 m tall.
Cathy is as tall as Dawn when they stand on the blocks while Eddie is 0.27 m shorter than Cathy and Dawn as shown. The height of the four blocks is equal.



(a) What is the height of each block?

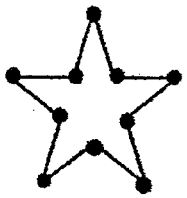
Ans:(a) _____ m [2]

(b) What is Eddie's height?

Ans:(b) _____ m [2]

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39 Beth and Ray used pins to make stars and rectangles as shown.
They used 10 pins for each star and 6 pins for each rectangle.



Star



Rectangle



Pin

(a) Beth made 8 stars. She used the same number of pins to make as many separate rectangles as possible. How many rectangles did she make?

Ans:(a) _____ [2]

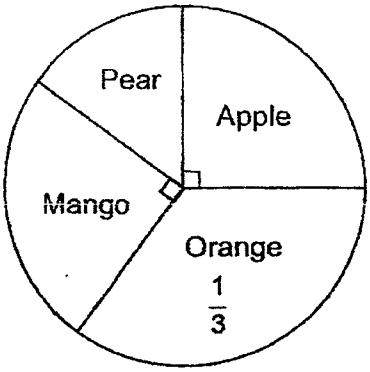
(b) Ray made the same number of stars as rectangles. He used 92 more pins to make the stars than the rectangles. How many stars and rectangles did he make in all?

Ans:(b) _____ [2]

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40 The pie chart shows the different types of fruits sold in a shop.
A total of 420 fruits were sold.

Types of Fruits Sold



(a) What fraction of the fruits sold were apples and pears?

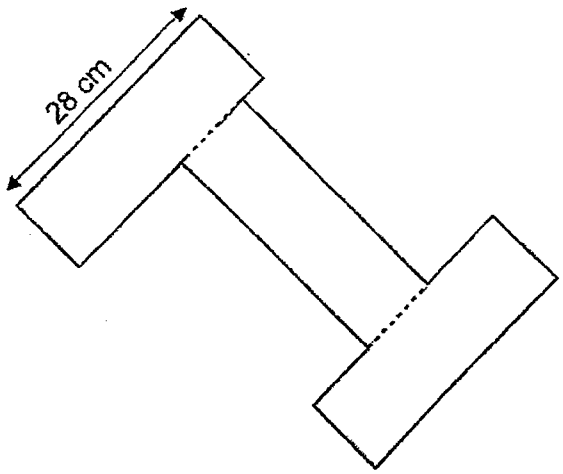
Ans:(a) _____ [2]

(b) How many pears were sold?

Ans:(b) _____ [2]

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41 The figure is made up of 3 identical rectangles.
The length of the rectangle is 28 cm. It is four times as long as its breadth.



(a) What is the area of the figure?

Ans:(a) _____ cm^2 [2]

(b) What is the perimeter of the figure?

Ans:(b) _____ cm [2]

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42 . Mrs Tan bought 4 chairs and 3 tables for $1778. The cost of each chair was $105 less than the cost of each table. What was the cost of each table?

Ans: $_____ [4]

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43 The diagram below shows the number of tiles following a pattern.

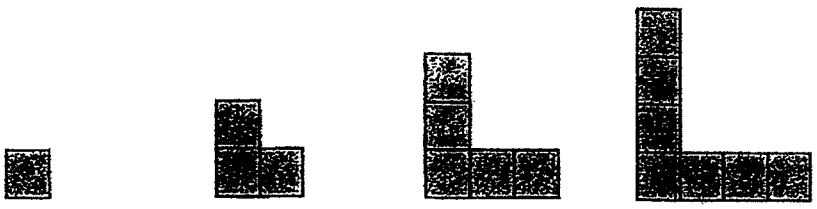


Figure 1 Figure 2 Figure 3 Figure 4

(a) Fill in the blank in the table below.

Figure number	Number of tiles
1	1
2	3
3	5
4	7
5	Ans: (a) _____ [1]

(b) How many tiles are there in figure 20?

Ans: (b) _____ [1]

(c) A figure has 199 tiles. What is the figure number?

Ans: (c) _____ [2]

End of paper
Check your work carefully

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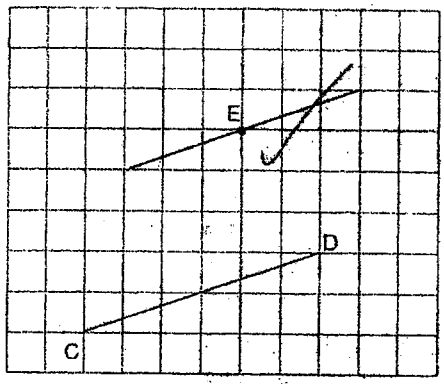
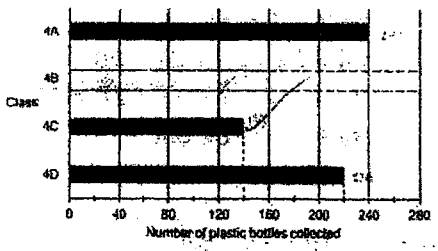
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LEVEL : PRIMARY 4
SCHOOL : AI TONG SCHOOL
SUBJECT : MATHEMATICS
TERM : END-OF-YEAR EXAMINATION

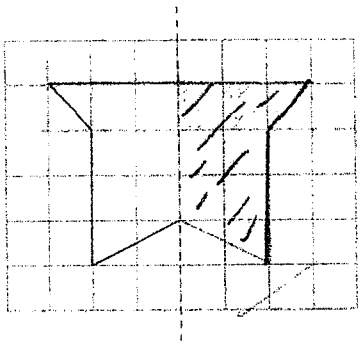
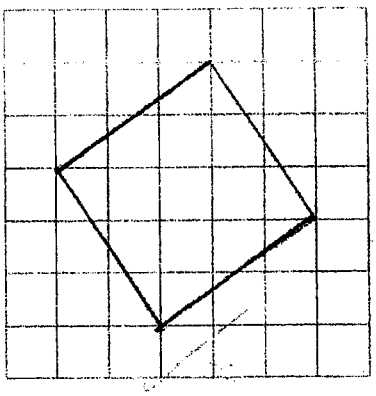
(BOOKLET A)

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

(BOOKLET B)

Q16	11 309	Q17	9 and 6
Q18	$\frac{17}{5}$	Q19	4
Q20	$1\frac{1}{3}$	Q21	~~0.0.87~~ 0.87
Q22	72.27	Q23	142°
Q24	$\frac{9}{13}$	Q25	700g
Q26		Q27	P and R
Q28	 760 – 240 = 520 520 – 140 = 380 380 – 220 = 160	Q29	6 donuts in baked in Jan. — Not possible to tell The increase in the number... — True The number of donuts sold in Apr is 3 times... — False
Q30	125 x 26 = 4500	Q31	0.44 ≈ 0.4
Q32	$\frac{10}{18}+\frac{3}{18}=\frac{13}{18}$ $\frac{18}{18}-\frac{13}{18}=\frac{5}{18}$	Q33	19 + 13 + 19 + 13 = 64 64 ÷ 4 = 16cm

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Q34	90 – 17 – 17 = 56 56 ÷ 2 = 28°	Q35	 a)  b)
Q36	574 – 86 = 488 488 x 3 = $1464	Q37	4u = 308 1u = 308 ÷ 4 = 77 5u = 77 x 5 = 385
Q38	a) 1.68 – 1.04 = 0.64 0.64 ÷ 2 = 0.32m b) 1.68 + 0.32 = 2.00 2.00 – 0.27 = 1.73m	Q39	a) 10 x 8 = 80 80 ÷ 6 = 13 R2 10 – 6 = 4 (b) 92 ÷ 4 = 23 23 + 23 = 46
Q40	$1 - \frac{1}{3} - \frac{1}{4} = 1 - \frac{4}{12} - \frac{3}{12}$ $= \frac{5}{12}$ b) $\frac{5}{12} - \frac{1}{4} = \frac{5}{12} - \frac{3}{12}$ $= \frac{2}{12}$ 420 ÷ 12 = 35 35 x 2 = 70	Q41	a) 28 x 7 = 196 196 x 3 = 588 cm^2 b) 28 – 7 = 31 28 + 28 + 21 + 21 = 98 7 + 7 + 7 + 7 + 28 + 28 = 84 98 + 84 = 182 cm
Q42	105 x 3 = 315 1778 – 315 = 1463 1463 ÷ 7 = 209 209 + 105 = $314	Q43	a) 19 + 20 = 39 b) 199 – 1 = 198 198 ÷ 2 = 99 99 + 1 = 100

END

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