Nan Hua Primary School
Primary 5 Mathematics
Term 2 Weighted Assessment 2024
Paper 1

Marks	
Section A:	/6
Section B:	/12
Total:	18

Name:_____ ( )

Class: Primary 5M_____

Date: __

Duration: 25 min

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number 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. Use dark blue or black ball point pen to write your answers in the space provided for each question.
6. Do not use correction tape/ fluid/ highlighter.
7. The use of calculators is NOT allowed.

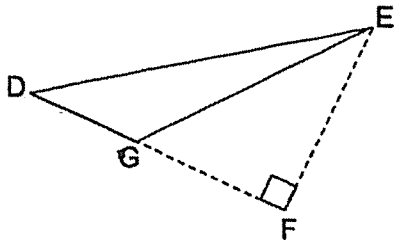
This booklet consists of 8 printed pages.

Section A

Questions 1 to 4 carry 1 mark each. Question 5 carries 2 marks.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4) and write your answer in the brackets.

(6 marks)

1 In the triangle DEG below, which base is related to the height EF?



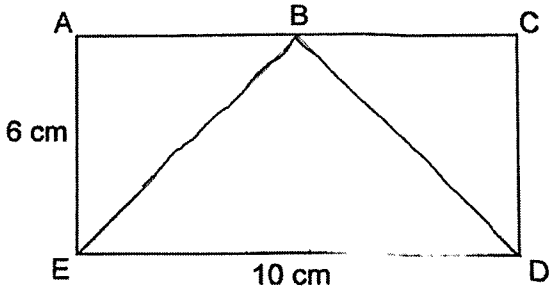
(1) DF

(2) DG

(3) GE

(4) GF ( )

2 ACDE is a rectangle. Find the area of the shaded triangle EBD.



(1) 15 cm^2

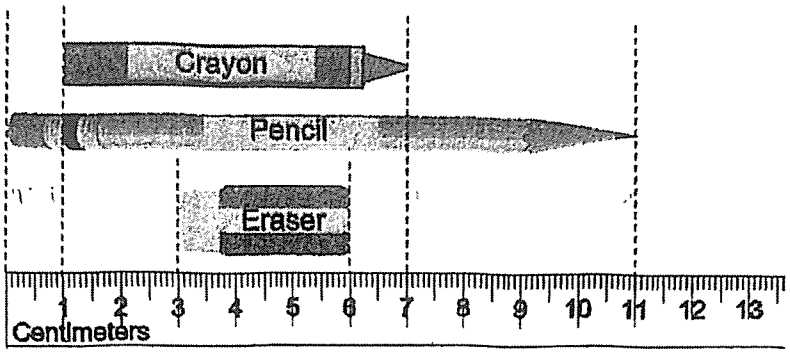
(2) 20 cm^2

(3) 30 cm^2

(4) 60 cm^2 ( )

3 The figure below is not drawn to scale.

Pencil



What is the ratio of the length of eraser to the length of pencil to the length of crayon?

(1) 3 : 6 : 11

(2) 3 : 11 : 6

(3) 4 : 7 : 11

(4) 4 : 11 : 7 ( )

4 Ali bought 36 chocolates and 64 sweets. Find the ratio of the number of chocolates to the total number of sweets and chocolates bought by Ali.

(1) 9 : 16

(2) 9 : 25

(3) 16 : 9

(4) 25 : 9 ( )

5 Ava, Betty and Charles have $77 altogether. The ratio of Ava's money to Betty's money to Charles' money is 1 : 4 : 6. How much money do Ava and Charles have altogether?

(1) $7

(2) $28

(3) $35

(4) $49 ( )

Section B

Questions 6 to 7 carry 1 mark each. Questions 8 to 12 carry 2 marks each.
Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (12 marks)

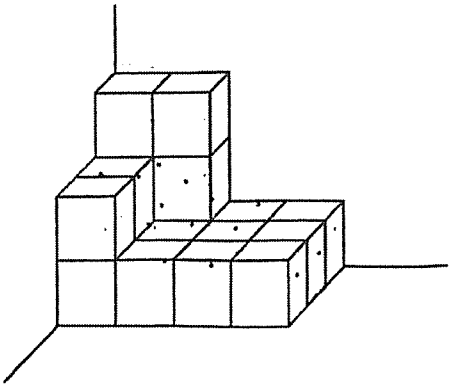
6 Find the missing number in the box.

$$6 : 9 = 14 : \boxed{?}$$

Ans : _____

7 The following solid is made up of 1-cm cubes.

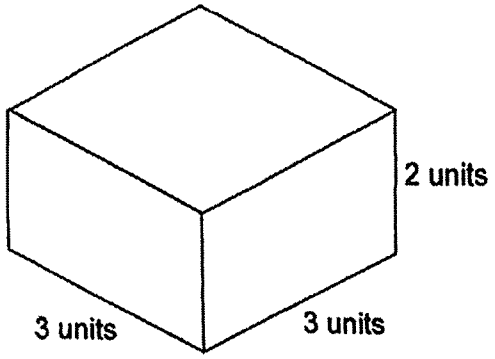
What is the volume of the solid?



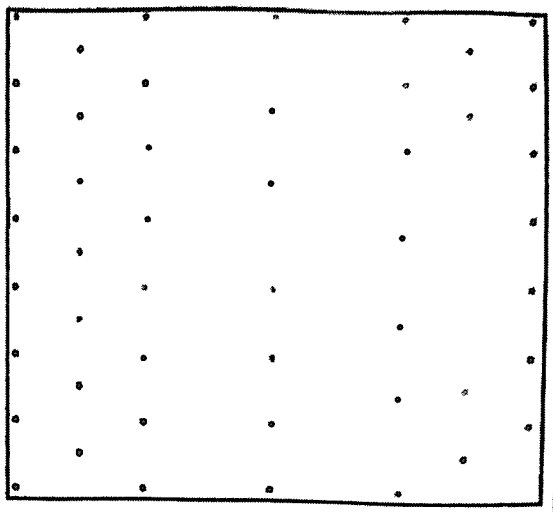
Ans: _____ cm^3

Please do not write in the margin

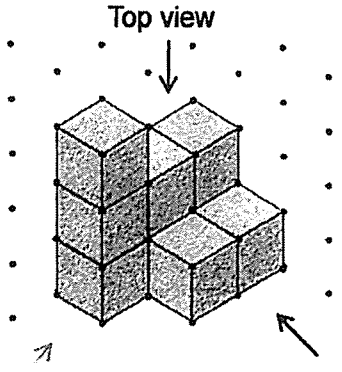
8 Draw cuboid A on the isometric grid provided.

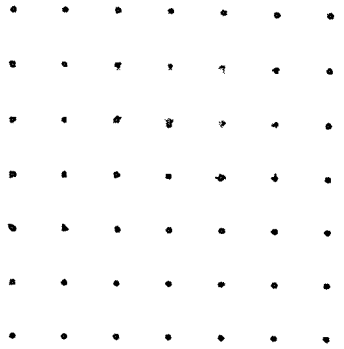


Cuboid A



9 The solid below is made up of 9 cubes. Draw the top view of the solid on the grid provided.





Please do not write in the margin

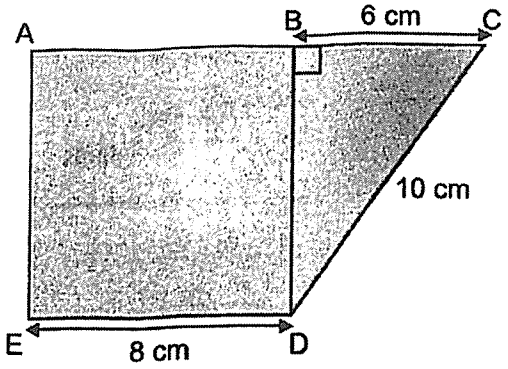
10 David is 12 years old. Elly is 9 years old.

Find the ratio of David's age to Elly's age in 3 years' time.

Ans: _____

11 ABDE is a square and BCD is a triangle.

Find the area of triangle BCD.

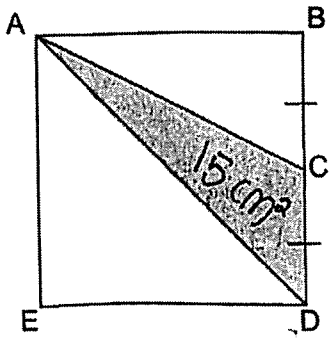


Ans: _____ cm^2

Please do not write in the margin

12 ABDE is a square. BC = CD.

The area of ACD is 15 cm^2. What is the area of the square?



Ans: _____ cm^2

Nan Hua Primary School
Primary 5 Mathematics
Term 2 Weighted Assessment 2024
Paper 2

Marks	
Total:	/12

Name: _____ ( )

Class: Primary 5M___

Date: _____

Duration: 20 min

_____
Parent's Signature

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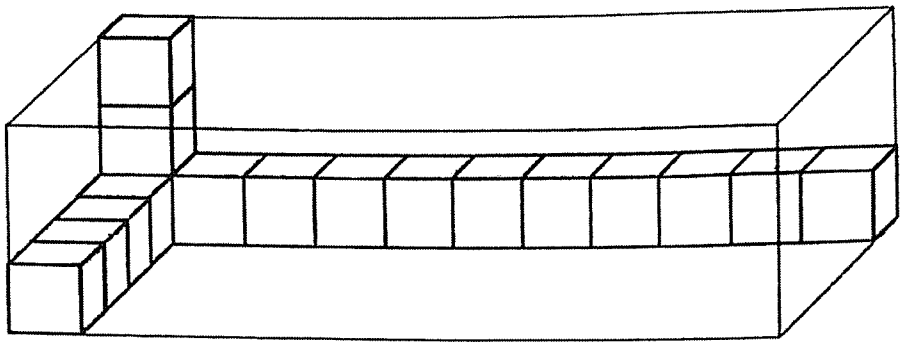
This booklet consists of 5 printed pages and 1 blank page.

For questions 1 to 4, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (12 marks)

1 The box below is filled with some 1-cm cubes.



(a) What is the volume of the box?

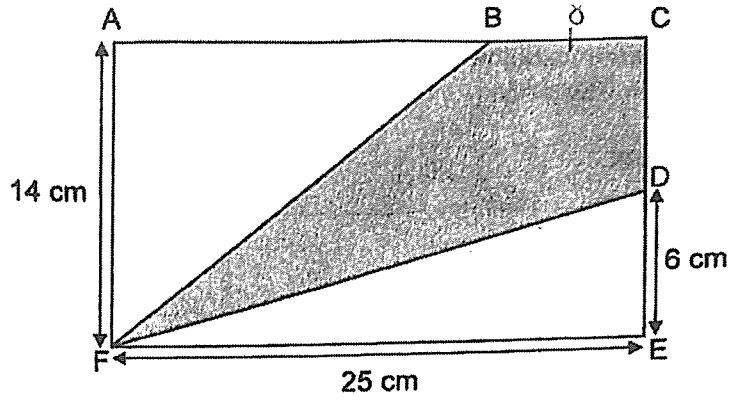
Ans : (a) _____ [2]

(b) How many more 1-cm cubes are needed to fill up the box completely?

Ans : (b) _____ [1]

Please do not write in the margin

2 ACEF is a rectangle. BC = CD. Find the area of the shaded part.



Ans: _____ [3]

Please do not write in the margin

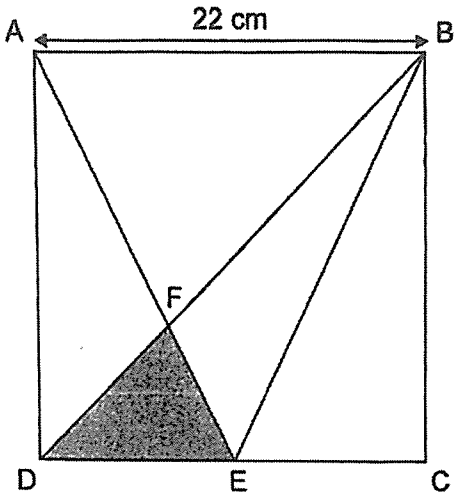
3 Alice, Peter and John have some pens.
The ratio of the number of Alice's pens to the number of Peter's pens to the number of John's pens is 1 : 2 : 5.

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

Statement	True	False	Not possible to tell
Alice has twice as many pens as Peter. [1]			
If John has 40 pens, Alice and Peter will have 24 pens altogether. [1]			
They have 56 pens altogether. [1]			

Please do not write in the margin

4 ABCD is a square with sides 22 cm and DE = EC. Figure AFBED has a total area of 198 cm^2, find the area of the shaded triangle DEF.



Ans: _____ [3]

Please do not write in the margin

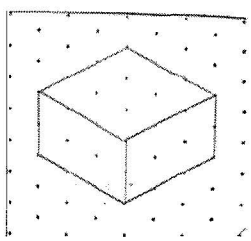
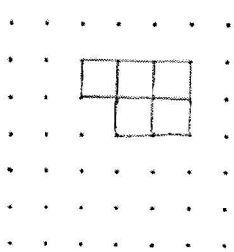
SCHOOL : NANHUA PRIMARY
LEVEL : PRIMARY 5
SUBJECT : MATHEMATICS
TERM : WA2

PAPER 1

SECTION A

Q1	Q2	Q3	Q4	Q5
2	3	2	2	4

SECTION B

Q6	6 : 9 = 2 : 3 = 14 : 21
Q7	18 cm^2
Q8	
Q9	
Q10	12 : 9 = 15 : 12 = 5 : 4
Q11	$\frac{1}{2}$ x 6 x 8 = 24
Q12	ACD = ABC = 15cm^2 = $\frac{1}{2}$ x B x L AED = ABD = 30cm^2 30cm^2 x 2 = 60cm^2

PAPER 2

Q1	(a) $5 \times 3 \times 11 = 165\text{cm}^3$ (b) $165 - 17 = 148$
Q2	ABF = $\frac{1}{2} \times 14 \times 17 = 119$ DEF = $\frac{1}{2} \times 6 \times 25 = 75$ Total Area = $14 \times 25 = 350$ Shaded Area = $350 - 75 - 119 = 156$
Q3	False / True / Not Possible to tell
Q4	ADE = BDE = $\frac{1}{2} \times 11 \times 22 = 121\text{cm}^2$ ADE + BDE – AFBED = DEF = $242 - 198 = 44\text{cm}^2$