

Ai Tong School
P5 Mathematics
2021 Term 2 Review

Name: _____ () Class : 5 _____

Date: _____ Marks: _____ /35

Duration: 50 min

Parent's signature: _____

Follow all instructions. Answer all questions.
You are allowed to use a calculator.

Section A

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (10 marks)

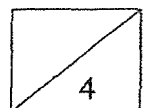
1 What is the missing number in the box?

$$4 : 9 = \boxed{} : 72$$

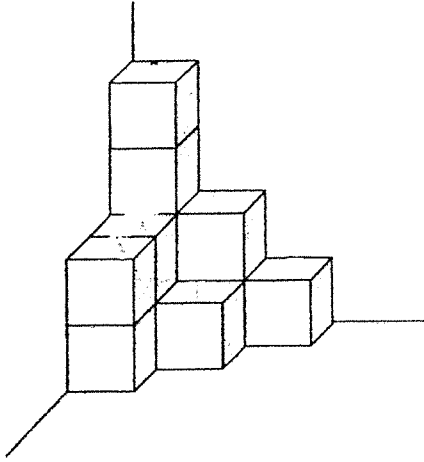
Ans: _____

2 The ratio of the number of adults to the number of boys to the number of girls at the zoo is 9 : 7 : 6. There are 81 adults. How many children are there at the zoo?

Ans: _____

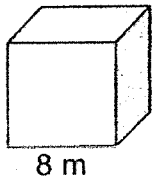


3 The solid below is made up of 1-cm cubes. What is its volume?



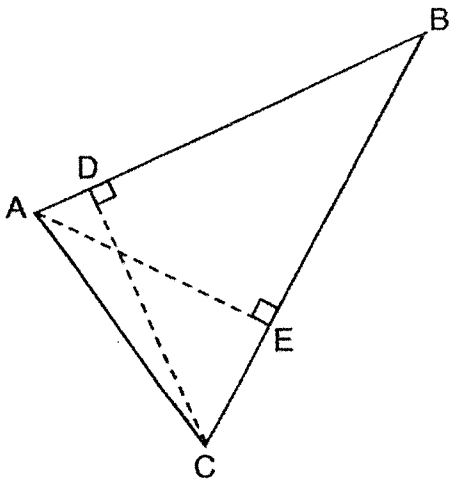
Ans: _____ cm³

4 What is the volume of the cube shown below?

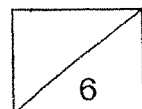


Ans: _____ m³

5 In the diagram below, ABC is a triangle. If BC is the base of the triangle, name the height of the triangle.



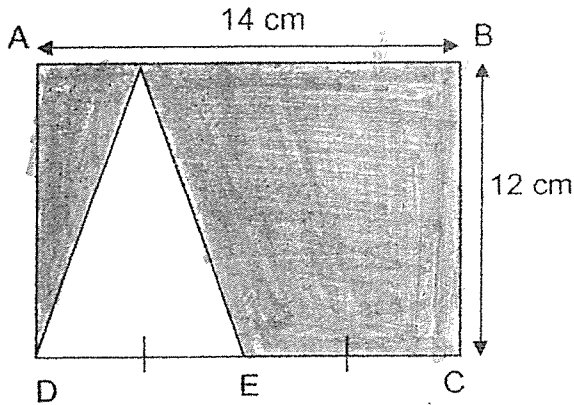
Ans: _____



Section B

For questions 6 to 12, show your working clearly in the space provided for each question and write the answers in the spaces provided. The number of marks available is shown in the brackets [] at the end of each question or part-question. (25 marks)

- 6 In the figure below, ABCD is a rectangle. $DE = CE$. Find the shaded area of the figure.



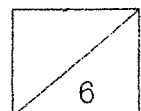
Ans: _____ [3]

- 7 The ratio of Kaylee's mass to Owen's mass is 7 : 5. Kaylee's mass is 10 kg more than Owen's mass.

- (a) What is Kaylee's mass?
(b) Find their total mass.

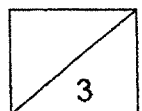
Ans: (a) _____ [2]

(b) _____ [1]



- 8 10 years ago, the ratio of John's age to Andrea's age was 5 : 1.
John is 70 years old now. How old is Andrea now?

Ans: _____ [3]



- 9 Figure 1 is made up of triangle ABH and rectangle BDFG. In figure 2, triangle CDE is cut out from Figure 1. Find the area of the remaining figure.

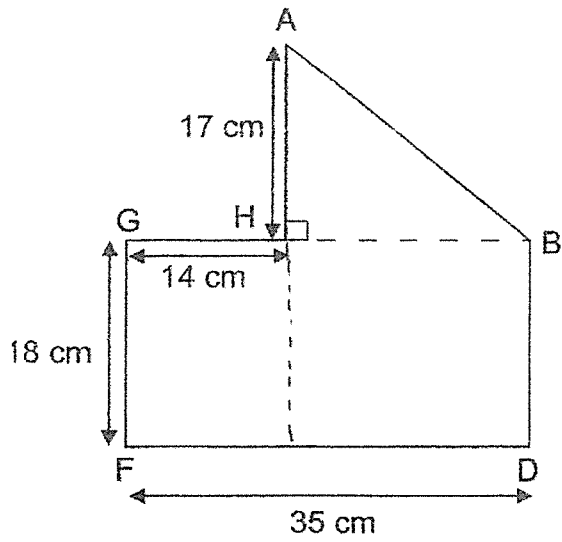


Figure 1

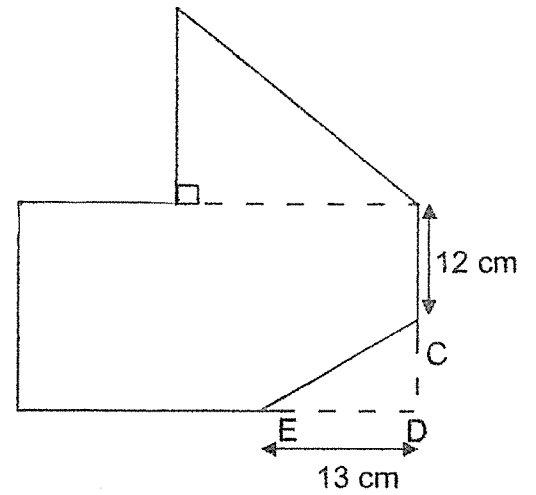
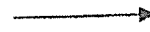
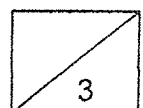
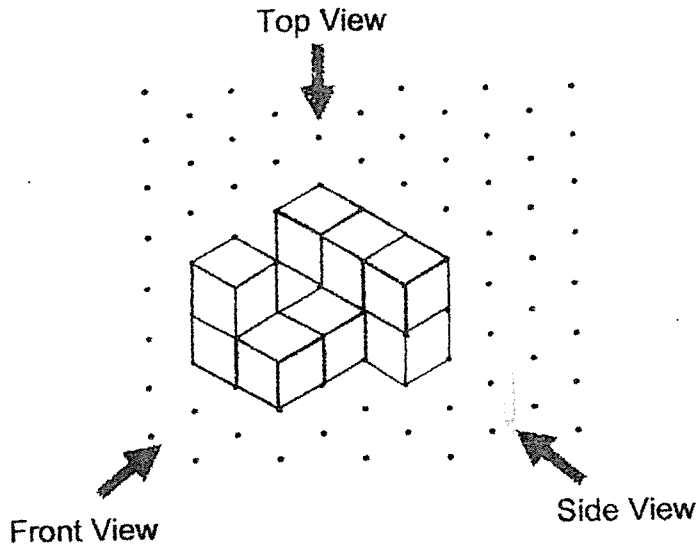


Figure 2

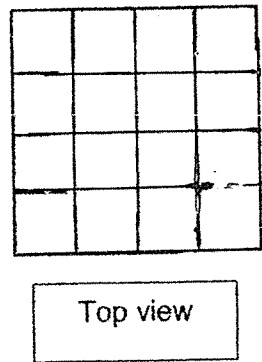
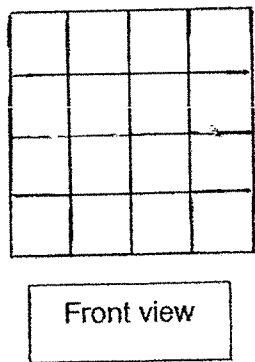
Ans: _____ [3]



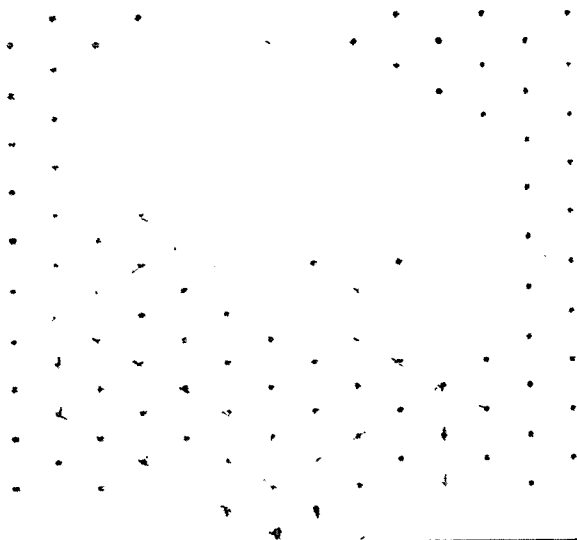
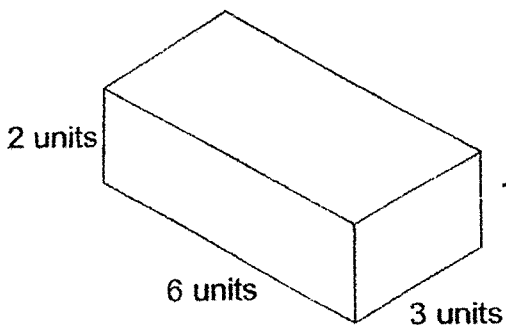
10 Joash stacked 10 cubes together to form the solid below.



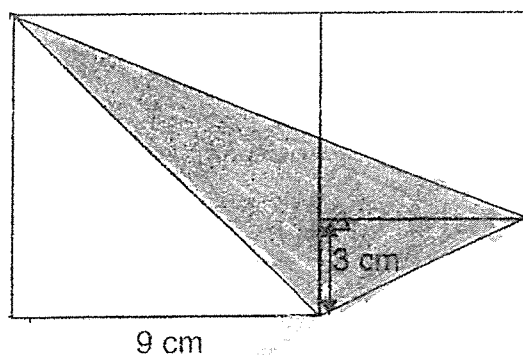
(a) Draw the **front view** and **top view** of the solid on the grid below. [2]



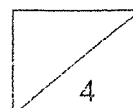
(b) Draw the cuboid on the isometric grid. [2]



- 11 Two squares of different sizes and a triangle are joined together without any overlap to form the figure below. Part of it was then shaded. Find the area of the shaded part.

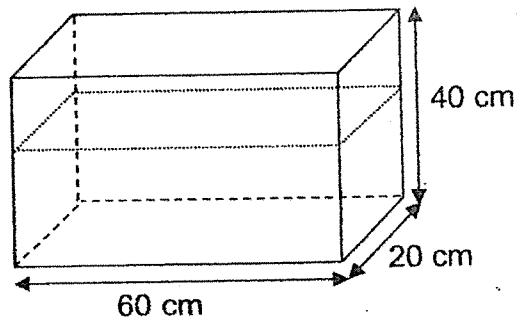


Ans: _____ [4]



12 Jenny filled $\frac{2}{3}$ of a rectangular tank with water. The tank is 60 cm long, 20 cm wide and 40 cm high.

- (a) What is the capacity of the rectangular tank?
- (b) Jenny then poured out 20 litres of water. The remaining amount of water was used to fill up 450 ml mugs to the brim. What is the most number of mugs Jenny could fill?
- (c) After filling up the number of mugs in (b), how much water was left in the tank?

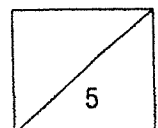


Ans: (a) _____ [1]

(b) _____ [3]

(c) _____ [1]

End of Paper
--- CHECK YOUR WORK CAREFULLY ---



ANSWER KEY

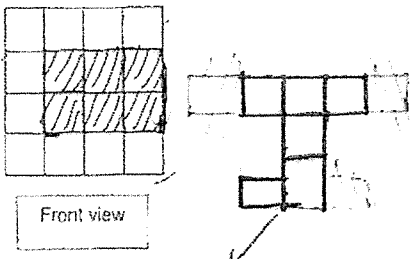
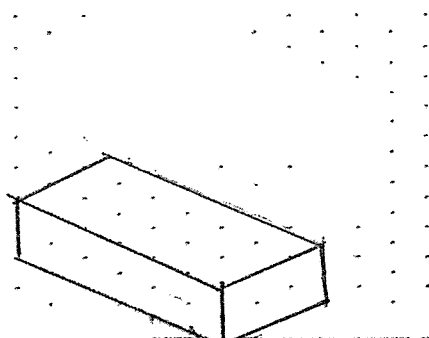
YEAR : 2021
LEVEL : PRIMARY 5
SCHOOL : AI TONG SCHOOL
SUBJECT : MATHEMATICS
TERM : TERM 2 REVIEW

SECTION A

Q1	32
Q2	$9u=81$ $1u=9$ $7+6=13$ $13u=13\times 9=117$
Q3	12cm^3
Q4	$8\times 8\times 8=512\text{m}^3$
Q5	AE

SECTION B

Q6	$12\times 14=168$ $\frac{1}{2}\times 7\times 12=42$ $168-42=126\text{cm}^3$
Q7	$2u=10$ $1u=5$ $7u=35$ $5u=25$ $12u=60$ a)35kg b)60kg
Q8	$70-10=60$ $5u=60$ $1u=60\div 5=12$ $12+10=22$ years old
Q9	$35\times 18=630$ $\frac{1}{2}\times 21\times 17=178.5$ $630+178.5=808.5$ $\frac{1}{2}\times 13\times 6=39$ $808.5-39=769.5\text{cm}^2$

<p>Q10</p>	<p>a)</p>  <p>b)</p> 
<p>Q11</p>	<p> $9-3=6$ $\frac{1}{2} \times 9 \times 6 = 27$ $(9 \times 9) + (6 \times 6) = 117$ a) $\frac{1}{2} \times 9 \times 9 = 40.5$ b) $\frac{1}{2} \times 15 \times 6 = 45$ $117 - 40.5 - 45 = 31.5$ $31.5 + 9 = 40.5 \text{ cm}^2$ </p>
<p>Q12</p>	<p> $60 \times 20 \times 40 = 48000$ (a) $48000 \div 3 = 16000$ $16000 \times 2 = 32000$ $32000 - 20000 = 12000$ $12000 \div 450 = 26\frac{2}{3}$ (b) $32000 \div 2 = 16000$ $16000 \div 2 = 8000$ $26 \times 450 = 11700$ $12000 - 11700 = 300$ (c) a) 48000 cm^3 b) 26 c) 300 cm^3 </p>