

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)

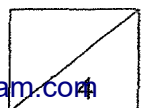
- 1 What is the missing number in the box?

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

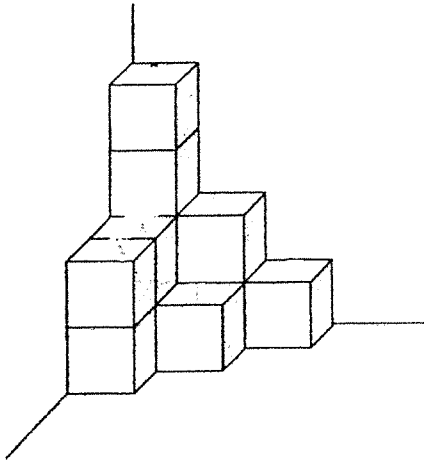
Ans: _____

- 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: _____

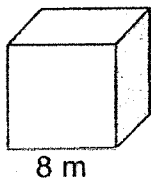


- 3 The solid below is made up of 1-cm cubes. What is its volume?



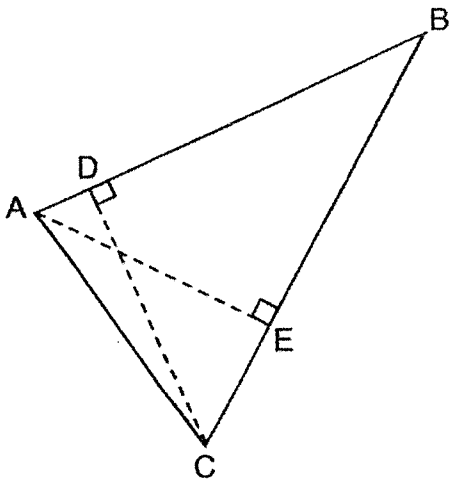
Ans: _____ cm^3

- 4 What is the volume of the cube shown below?

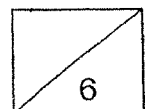


Ans: _____ m^3

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



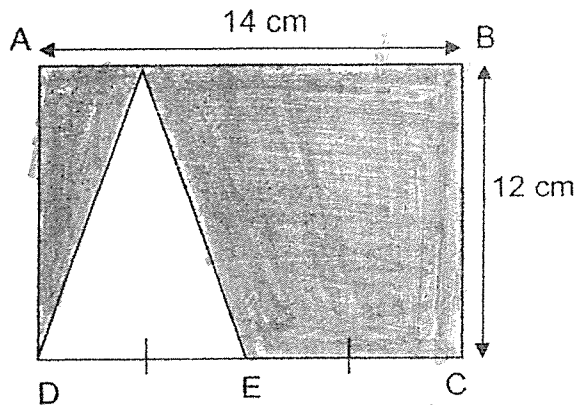
Ans: _____



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.



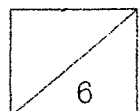
Ans: _____ [3]

- 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.

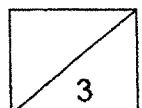
Ans: (a) _____ [2]

(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.

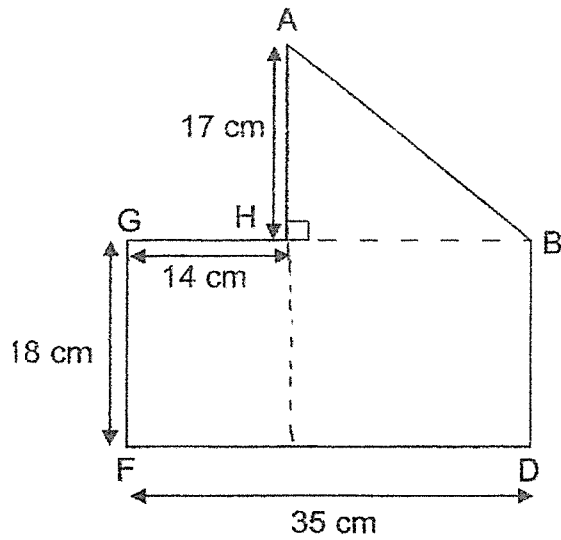


Figure 1

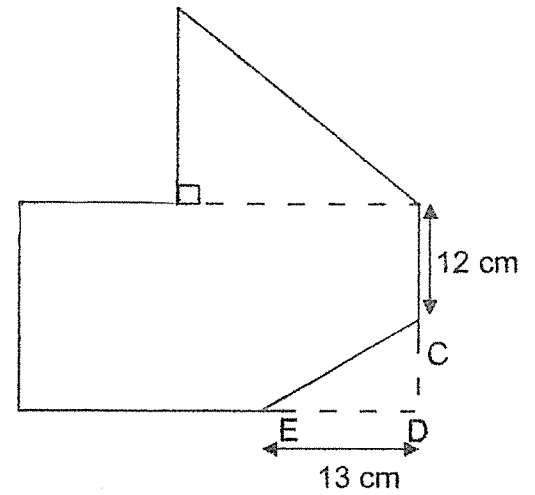
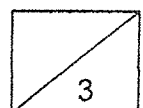
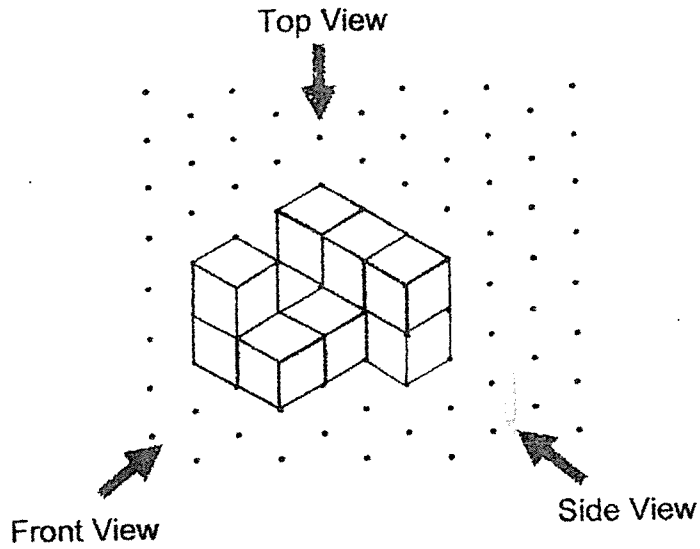


Figure 2

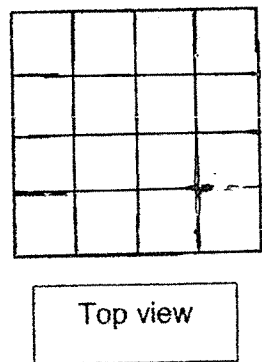
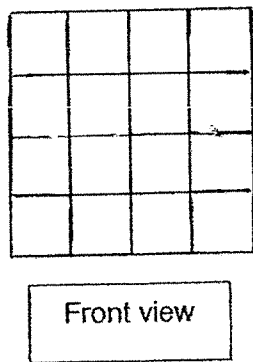
Ans: _____ [3]



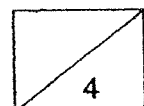
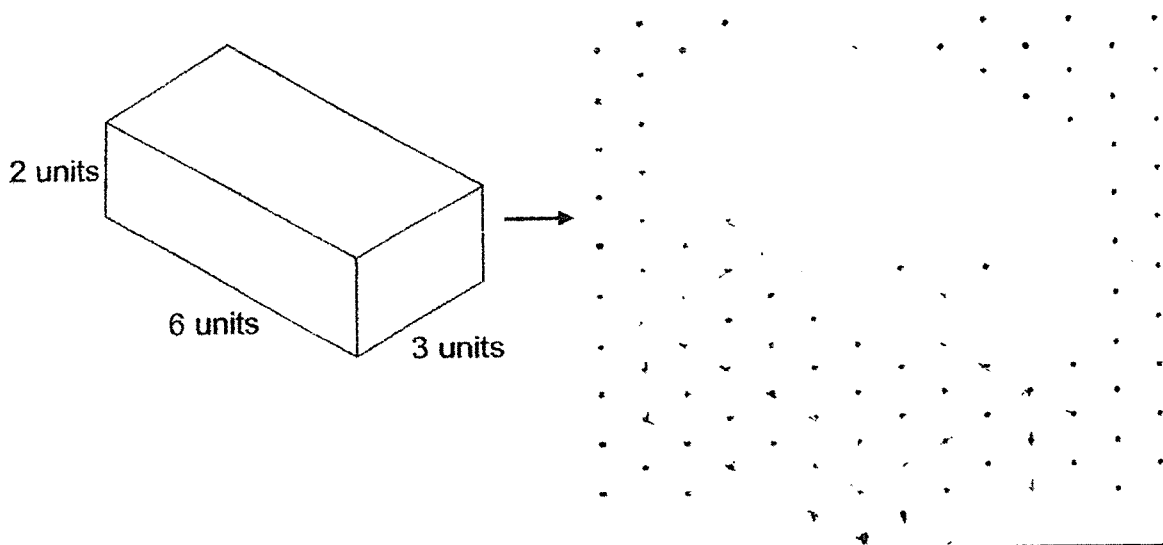
- 10 Joash stacked 10 cubes together to form the solid below.



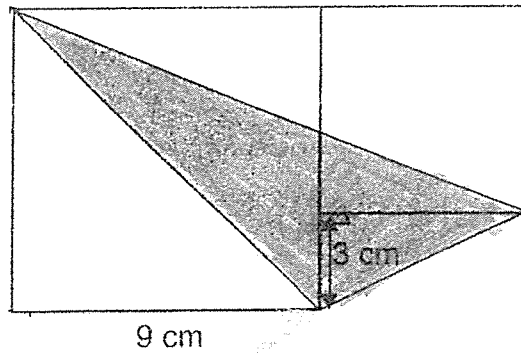
- (a) Draw the **front view** and **top view** of the solid on the grid below. [2]



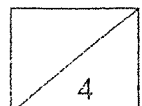
- (b) Draw the cuboid on the isometric grid. [2]



- 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.

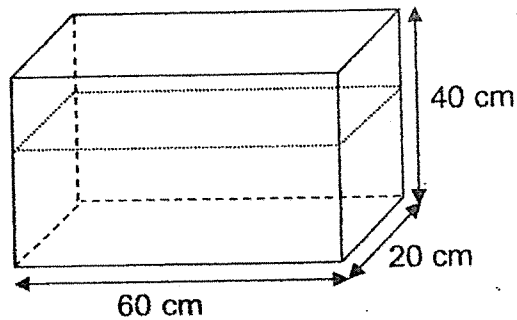


Ans: _____ [4]



- 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?

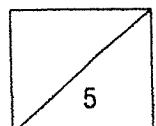


Ans: (a) _____ [1]

(b) _____ [3]

(c) _____ [1]

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



Paper 1
Booklet AAi Tong School
P5 Mathematics
Term 2 Practice 2Name: _____ ()
Class: _____
Date: _____

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
(20 marks)

1 Three million, three hundred and three thousand and thirty-three in numerals is _____

- (1) 3 003 333
- (2) 3 033 033
- (3) 3 300 333
- (4) 3 303 033

2 How many thousands make 8 000 000?

- (1) 80
- (2) 800
- (3) 8 000
- (4) 80 000

3 What is the missing number in the box?

$$250 \times 7000 = 250 \times \boxed{} \times 70$$

- (1) 10
- (2) 100
- (3) 1000
- (4) 10 000

4 Find the value of $76 - 4 + 52 \div 4$.

- (1) 85
- (2) 62
- (3) 59
- (4) 31

5 Find the difference between 9 tenths and 15 hundredths.

- (1) 0.060
- (2) 0.075
- (3) 0.750
- (4) 0.885

6 Which of the following has the same value as $12 \times \frac{3}{8}$?

- (1) $\frac{12}{12} \times \frac{3}{8}$
- (2) $\frac{3}{8} \times \frac{12}{1}$
- (3) $\frac{3}{8} \times \frac{1}{12}$
- (4) $\frac{8}{1} \times \frac{3}{12}$

7 Mrs Ho had $\frac{5}{8}$ kg of flour. She used $\frac{1}{3}$ kg to bake some muffins.
How much flour had she left?

- (1) $\frac{1}{24}$ kg
- (2) $\frac{5}{24}$ kg
- (3) $\frac{7}{24}$ kg
- (4) $\frac{10}{24}$ kg

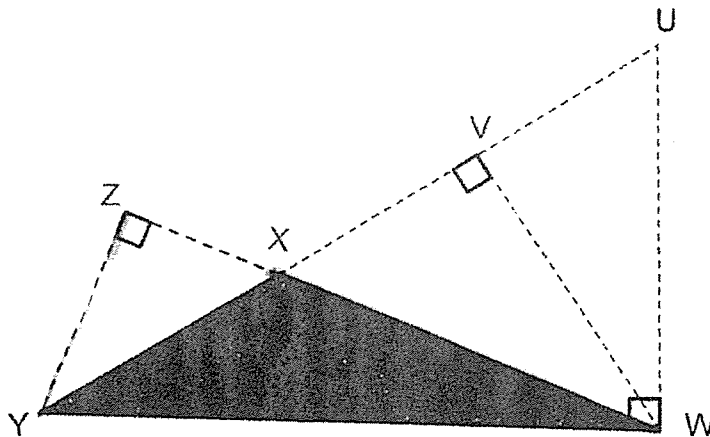
8 Look at the diagram below.

Find the ratio of the number of $\diamond$ to the number of ∇ to the number of $\bigcirc$.

∇	$\diamond$	∇	$\diamond$	$\diamond$	$\bigcirc$
$\diamond$	∇	$\diamond$	$\bigcirc$	∇	∇
$\bigcirc$	$\bigcirc$	$\diamond$	∇	$\diamond$	$\diamond$

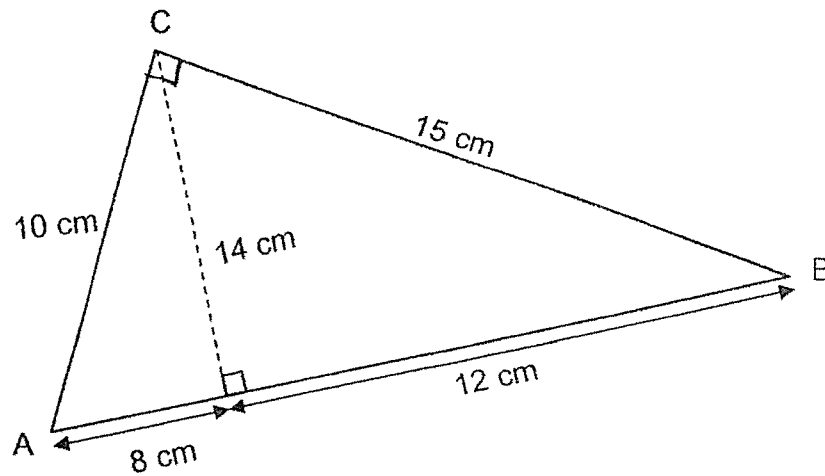
- (1) 2 : 3 : 4
- (2) 3 : 4 : 2
- (3) 4 : 2 : 3
- (4) 4 : 3 : 2

9 In the figure, WX is the base of the triangle WXY. Which line represents its height?



- (1) UW
- (2) VW
- (3) XY
- (4) YZ

10 What is the area of triangle ABC shown below?

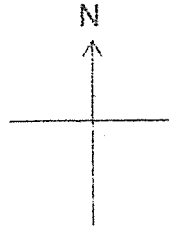


- (1) 150 cm²
- (2) 140 cm²
- (3) 130 cm²
- (4) 100 cm²

11 There were 2 adults for every 3 children at a book fair.
There were 114 children at the book fair.
How many people were there at the book fair altogether?

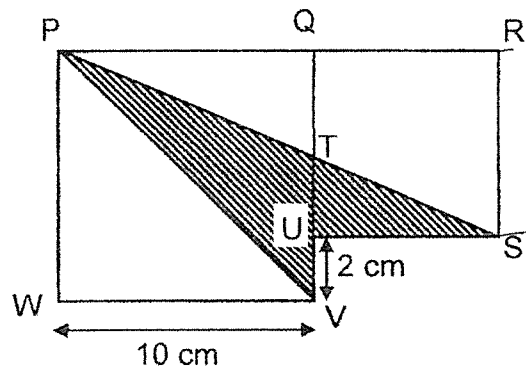
- (1) 76
- (2) 171
- (3) 190
- (4) 285

- 12 Da Hao was facing south-east. He made a $\frac{1}{4}$ -turn clockwise. He then made a 135° anti-clockwise turn. Which direction is he facing now?



- (1) east
(2) south
(3) north-east
(4) south-west
- 13 The ratio of Dhatch's height to Peter's height is 3 : 5. The ratio of Ameer's height to Peter's height is 3 : 4. What is the ratio of Dhatch's height to Peter's height to Ameer's height?
- (1) 12 : 20 : 15
(2) 15 : 20 : 12
(3) 3 : 5 : 4
(4) 5 : 4 : 3
- 14 A green light bulb and a red light bulb are switched on at the same time. The green light bulb blinks every 3 seconds and the red light bulb blinks every 6 seconds. When is the second time that the green and red light bulbs blink together?
- (1) 18th second
(2) 12th second
(3) 3rd second
(4) 6th second

- 15 The figure below is made up of 2 squares PQVW and QRSU. The length of WV is 10 cm. Find the total area of the **unshaded** parts.



- (1) 42 cm²
- (2) 50 cm²
- (3) 72 cm²
- (4) 122 cm²

Booklet B

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (5 marks)

16 What is the value of the digit 8 in 4 809 030?

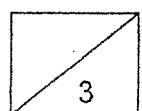
Ans: _____

17 What is 10 more than 99 999?

Ans: _____

18 A tank contains 9200 ml of water.
The water is poured equally into 80 identical glasses.
What is the capacity of each glass?

Ans: _____ ml

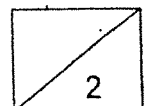


19 What is the value of $17 + (12 - 10 \div 2) \times 4$?

Ans: _____

20 Express $\frac{3}{8}$ as a decimal.

Ans: _____



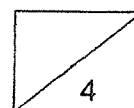
Questions 21 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (20 marks)

- 21 The ratio of the number of Ali's marbles to the number of Billy's marbles to the number of Conan's marbles is 2 : 4 : 3. Conan has 86 marbles more than Ali.
How many marbles do the 3 boys have in all?

Ans: _____

- 22 Emily had $\frac{11}{12}$ l of oil. She used $\frac{1}{2}$ of it on Monday.
How much oil was left? Give your answer in the simplest form.

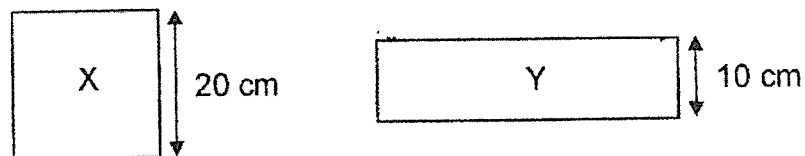
Ans: _____ l



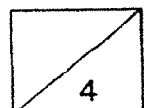
- 23 Nina bought 4 storybooks and 3 magazines for \$43.
Each magazine was \$2 cheaper than each storybook.
What was the cost of each magazine?

Ans: \$ _____

- 24 Square X and Rectangle Y have the same area. Find the perimeter of Rectangle Y.



Ans: _____ cm

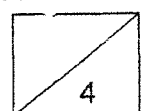


- 25 There are 72 people at a restaurant. 32 of them are females.
What fraction of the people at the restaurant are males?
Give your answer as a fraction in the simplest form.

Ans: _____

- 26 There are 8 classes out on a learning journey.
There are 28 pupils in each class.
One teacher is required to be in charge of a maximum of 20 pupils.
What is the least number of teachers needed for this learning journey?

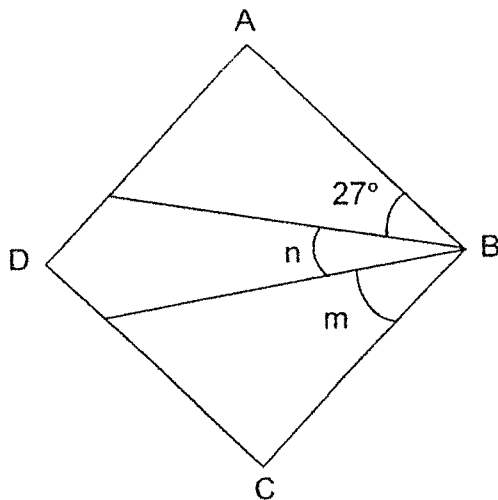
Ans: _____



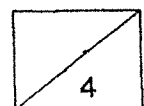
- 27 This year, Jun Jie is 11 years old and Yong Lin is 26 years old.
What is the ratio of Jun Jie's age to Yong Lin's age in 7 years' time?
Give your answer in the simplest form.

Ans: _____

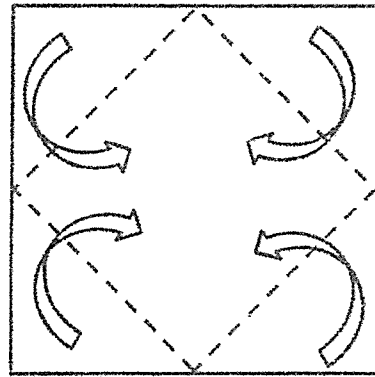
- 28 In the figure below, ABCD is a square. $\angle m$ is twice the size of $\angle n$. Find $\angle n$.



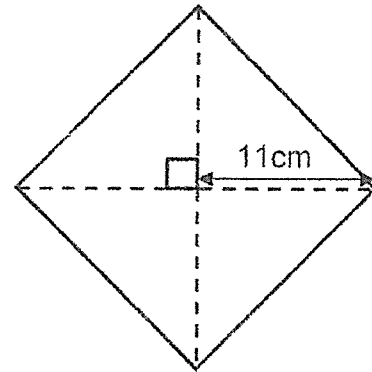
Ans: _____°



- 29 The four corners of a square piece of paper were folded inwards to form a smaller square. What was the area of the paper before it was folded?



before folding



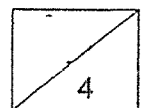
after folding

Ans: _____ cm^2

- 30 Amirah and Belle made 70 origami flowers in the ratio of 4 : 3.
Later, Belle made another 5 origami flowers.
How many origami flowers did Belle make in all?

Ans: _____

End of Paper 1



ANSWER KEY

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

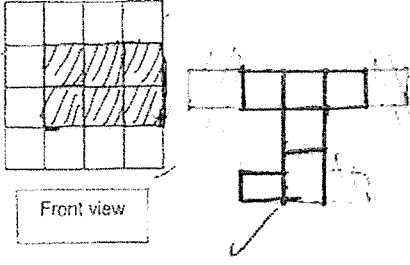
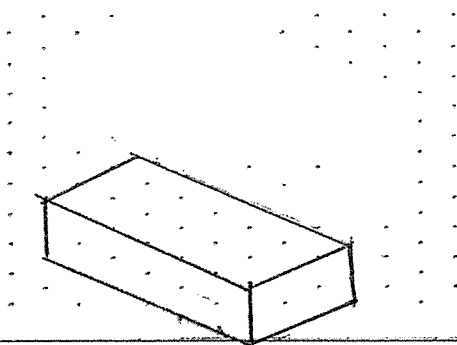
SECTION A

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	$35\times 18=630$ $\frac{1}{2}\times 21\times 17=178.5$ $630+178.5=808.5$ $\frac{1}{2}\times 13\times 6=39$ $808.5-39=769.5\text{cm}^2$

Worked Solutions & eMCQ available at www.sgtestpaper.com

Q10	a)  Front view b) 
Q11	$9-3=6$ $\frac{1}{2} \times 9 \times 6 = 27$ $(9 \times 9) + (6 \times 6) = 117$ a) $\frac{1}{2} \times 9 \times 9 = 40.5$ b) $\frac{1}{2} \times 15 \times 6 = 45$ $117 - 40.5 - 45 = 31.5$ $31.5 + 9 = 40.5 \text{ cm}^2$
Q12	$60 \times 20 \times 40 = 48000$ (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

ANSWER KEY

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

BOOKLET A

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

BOOKLET B

Q16	800000
Q17	100009
Q18	115ml
Q19	45
Q20	0.375 $\frac{3}{8} \times 125 = \frac{375}{1000} = 0.375$
Q21	$3-2=1$ $1u=86$ $3u=86 \times 3=258$ $4u=258+86=344$ $344 \div 2=172$ $258+344=602$ $602+172=774$
Q22	$\frac{1}{2} \times \frac{11}{12} = \frac{11}{24}$
Q23	$2 \times 4=8$ $43-8=35$ $35 \div 7=\$5$
Q24	$40 \times 2=80$ $10 \times 2=20$ $80+20=100\text{cm}$
Q25	$\frac{32}{72}$ =female $72-32=40$ $\frac{40}{72}$ =male $\frac{5}{9}$
Q26	$224 \div 20=11\text{R}4$ $11+1=12$
Q27	6:11

Q28	$90-27=63$ $63\div3=21^\circ$
Q29	$11\times2=22$ $22\times22=484\text{cm}^2$
Q30	$7u=70$ $1u=70\div7=10$ $3u=3\times10=30$ $30+5=35$

4
END