Anglo-Chinese School (Junior)

BITE-SIZED ASSESSMENT TWO (2022)
PRIMARY 5

MATHEMATICS

Thursday **5 May 2022** **45 min**

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Text

Follow all instructions carefully.

There are 13 questions in this booklet.

Answer ALL questions.

You are not allowed to use a calculator.

Section	Possible Marks	Marks Obtained
A	7	
B	7	
C	11	
TOTAL	25	

Name: _____ ( )

Class: 5 _____

Parent's Signature: _____

This question paper consists of 11 printed pages. (Inclusive of cover page)

Questions 1 to 3 carry 1 mark each.
Questions 4 to 5 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). (7 marks)

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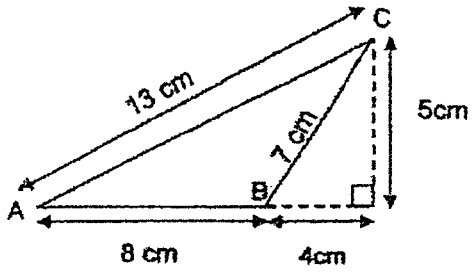
1. ABC is a triangle. AB = 8 cm, BC = 7 cm and AC = 13 cm. What is the area of triangle ABC?



1) 20 cm²
2) 28 cm²
3) 30 cm²
4) 42 cm² ( )

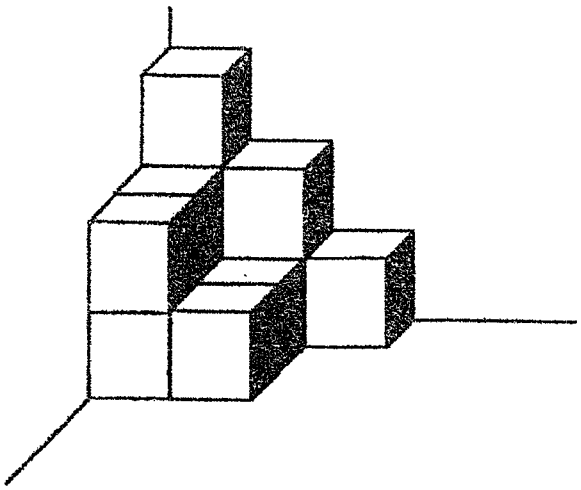
2. What is the missing number in the box?

9 : 21 = 12 : ☐

1) 24
2) 27
3) 28
4) 32 ( )

 Sub-Total: ☐

3. The solid below is made up of identical 1-cm cubes. The cubes are stacked on top of one another. What is the volume of the solid?



1) 8 cm^3
2) 10 cm^3
3) 12 cm^3
4) 14 cm^3

( )

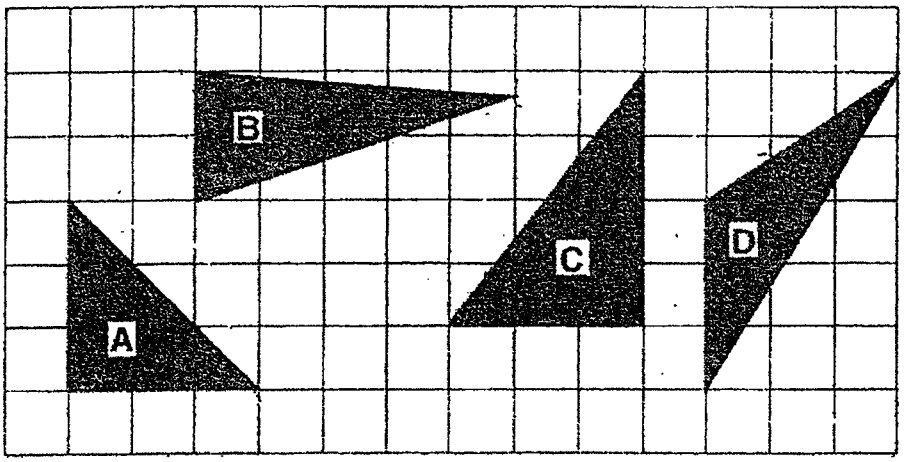
4. The ratio of the perimeters of 2 squares is 3 : 8. The perimeter of the smaller square is 24 cm. What is the length of 1 side of the larger square?

1) 8 cm
2) 9 cm
3) 3 cm
4) 16 cm

( )

Sub-Total: [ ]

5. Which of the following two triangles below have the same area?



1) A and C
2) A and D
3) B and C
4) B and D

( )

Sub-Total:

Questions 6 to 8 carry 1 mark each.
Questions 9 to 10 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. (7 marks)

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6. After spending $65 on a bag and $12 on a pack of socks, Jamie had $14 left. Find the ratio of the total amount of money Jamie spent on the two items to the amount he had at left. Give your answer in its simplest form.

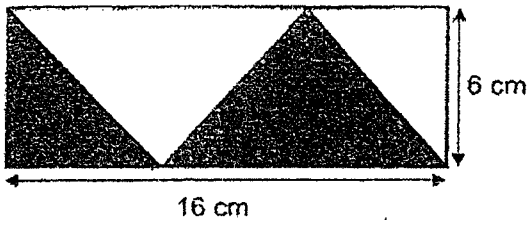
Answer : _____

7. Mrs Lim grouped her students for an activity. There were 3 boys and 2 girls in each group. There were 32 girls. How many boys were there?

Answer : _____

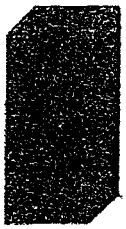
Sub-Total: [ ]

8. The figure below is made up of a rectangle, measuring 16 cm by 6 cm, and 2 triangles. Find the area of the shaded part.



Answer : _____ cm^2

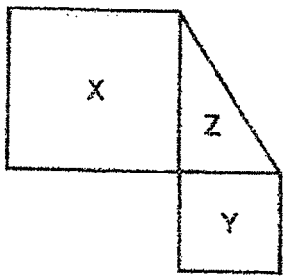
9. The cuboid below has a square base of length 6 cm. Its height is 3 times its length. Find the volume of the cuboid.



Answer : _____ cm^3

 Sub-Total: [ ]

10. The figure below is made up of 2 squares and a right-angled triangle. The area of square X is 49 cm^2 and the area of square Y is 36 cm^2. Find the area of triangle Z.



Answer : _____ cm^2

Sub-Total: [ ]

For questions 11 to 13, 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. (11 marks)

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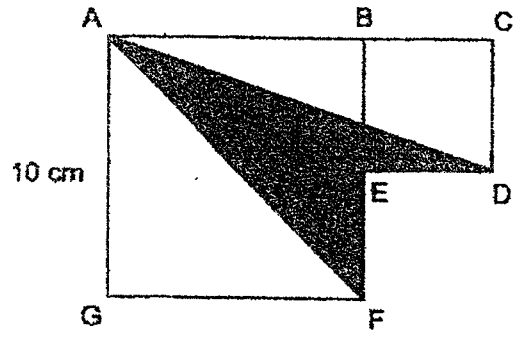
11. Jim, Bob and Sam shared a box of stickers in the ratio 5 : 9 : 3. Jim and Sam had 128 stickers altogether. How many stickers did the three boys share altogether?

Answer :_____ [3]

Sub-Total: [ ]

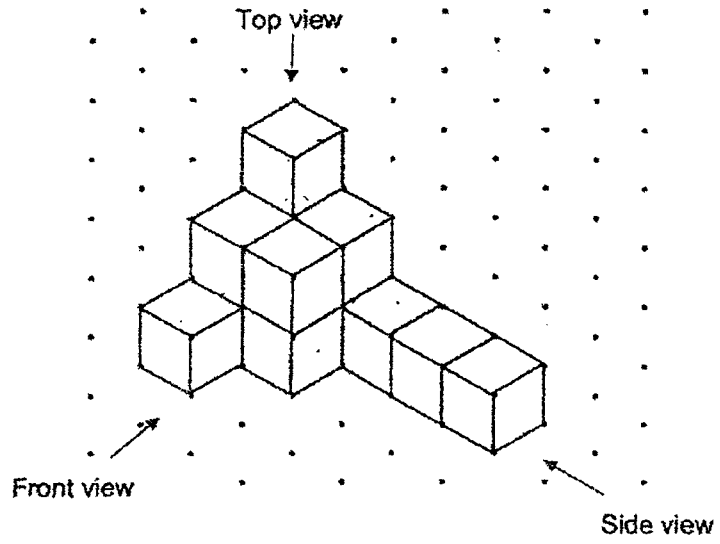
12. In the figure below, ABFG and BCDE are squares. AD and AF are straight lines. AG = 10 cm. The area of square ABFG is 4 times the area of square BCDE. Find the shaded area.



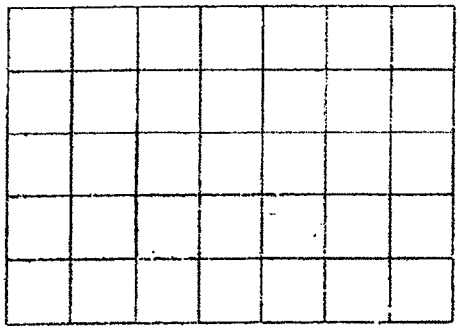
Answer : _____ [4]

9 Sub-Total: ☐

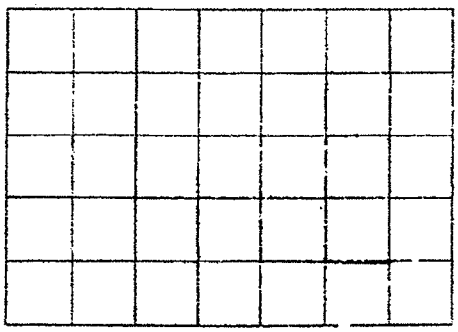
13. Ronald used 13 cubes to form the solid below.



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



Front view



Side view

Please turn over →

Sub-Total: ☐

(b) Ronald wants to form a cuboid using the solid formed in (a). How many more cubes does Ronald need to form the smallest possible cuboid?

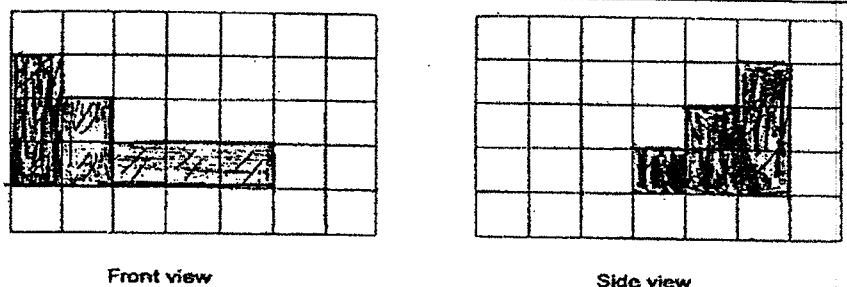
Answer: _____ [2]

~ End of Paper ~

Sub-Total: [ ]

YEAR : 2022
LEVEL : PRIMARY 5
SCHOOL : ANGLO-CHINESE SCHOOL (JUNIOR)
SUBJECT : MATHEMATICS
TERM. : WEIGHTED BITE-SIZED ASSESSMENT 2

Q1	1	Q2	3	Q3	3	Q4	4	Q5	2

Q6	77 : 14 11 : 2
Q7	u : 32 ÷ 2 = 16 3u : 16 x 3 = 48 boys
Q8	half of rectangle : $16 \times 6 \times \frac{1}{2} = 48cm^2$
Q9	height of cuboid : 6 x 3 = 18 6 x 6 x 18 = $648cm^3$
Q10	7 x 7 = 49 6 x6 = 36 $\frac{1}{2} \times 6 \times 7 = 21cm^2$
Q11	5u + 3u = 8u u : 128 ÷ 8 = 16 5u + 9u + 3u = 17u 17u : 16 x 17 = 272 stickers The boys shared 272 stickers altogether.
Q12	ABFG : 10 x 10 = 100 Area of BDCE : 100 ÷ 4 = 25 5 + 10 = 15 Tri ACD : $15 \times 5 \times \frac{1}{2} = 37.50\ cm^2$
Q13 a)	 Front view Side view
Q13 b)	smallest cuboid possible : 3 x 3 x 5 = 45 total cubes in Fig : 13 45 – 13 = 32 cubes Ronald needed 32 more cubes.