# Anglo-Chinese School (Junior)

**WEIGHTED BITE-SIZED ASSESSMENT 2 (2024)**
**PRIMARY 5**

**MATHEMATICS**

**Tuesday** **7 May 2024** **45 min**

**INSTRUCTIONS TO PUPILS**

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

Follow all instructions carefully.

There are 13 questions in this booklet.

Answer ALL questions.

The use of calculators is not allowed.

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

**Name:** _____ (  )

**Class:** 5. (  )

**Parent's Signature:** _____

**This question paper consists of 9 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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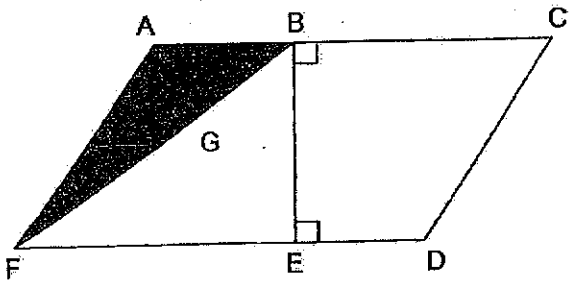
1. AB is the base of the shaded triangle ABF. Find its height.



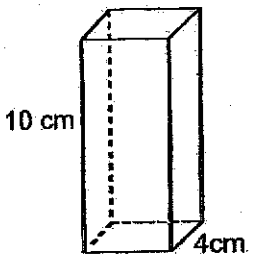

1) AF

2) BE

3) BF

4) AG ( )

2. What is the volume of a cuboid that has a square base of side 4 cm and height 10 cm?




1) 40 $cm^3$

2) 100 $cm^3$

3) 160 $cm^3$

4) 400 $cm^3$ ( )



Sub-Total: [ ]

3. 9 : 5 = ☐ : 55

What is the missing number in the box?

1) 14

2) 45

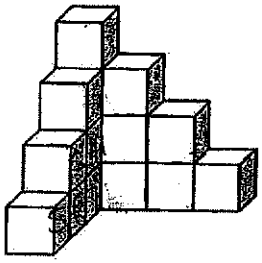
3) 59

4) 99

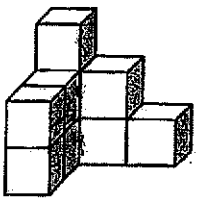
( )

4. The 2 solids below are made up of identical unit cubes.

How many unit cubes need to be removed from Solid A to form Solid B?



Solid A



Solid B

1) 5

2) 6

3) 7

4) 8

( )

5. Sulley and Mike had a total of $92. Sulley had $36. What is the ratio of the amount of money Sulley had to the amount of money Mike had?

1) 9 : 23

2) 9 : 14

3) 14 : 9

4) 14 : 23

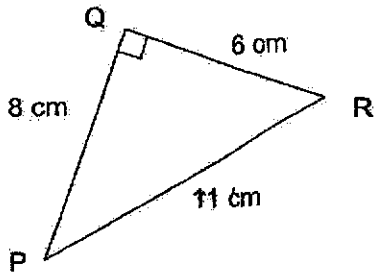
( )



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)

6. Find the area of the triangle PQR below.




Answer :_____ $cm^2$

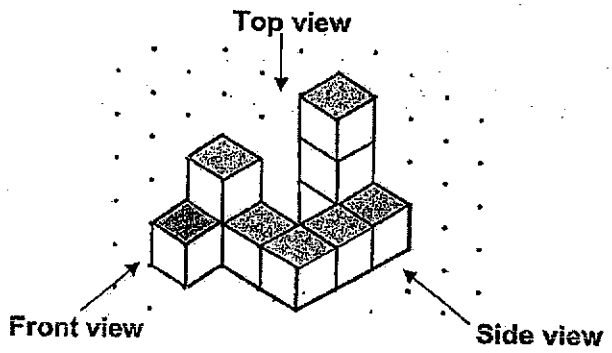
7. A box contains 32 red balls, 12 blue balls and 16 yellow balls. Find the ratio of the number of red balls to the number of blue balls and to the number of yellow balls. Give your answer in its simplest form.

Answer :_____



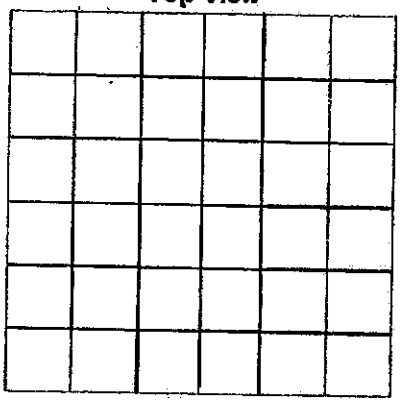
Sub-Total: [ ]

8. Felicia stacked 10 cubes and glued them together to form the solid below.




Draw the top **view** of the solid on the square grid below.

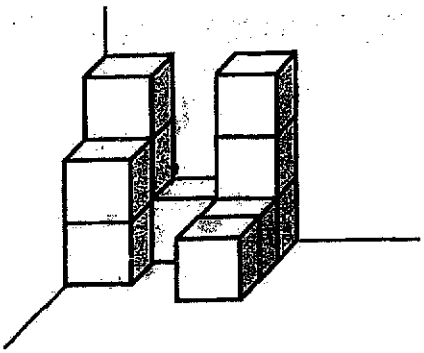
**Top View**





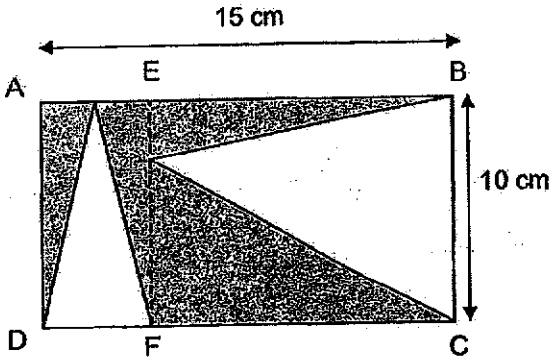
Sub-Total:

9. Charlie glued together 11 unit cubes to form the solid below. How many more unit cubes does Charlie need to form the smallest possible cube?



Answer :_____

10. In the figure below, ABCD is a rectangle. AB = 15 cm and BC = 10 cm. Dotted line EF is parallel to AD. What is the area of the shaded part?




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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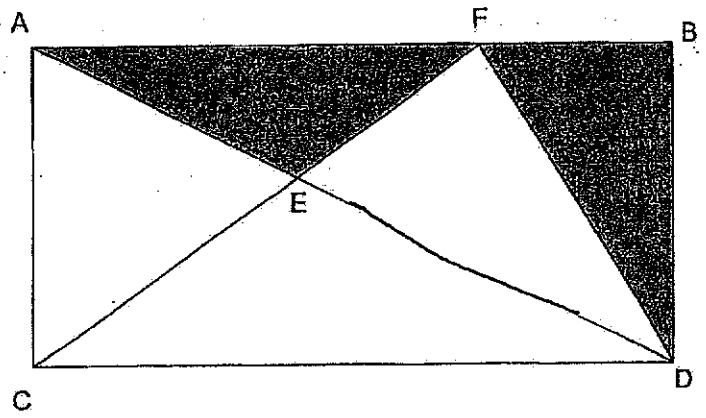
11. Josh, Amir and Gopal shared had a total of 480 stickers in the ratio 3 : 4 : 5. How many more stickers does Gopal have than Josh?

Ans: _____ [3]



Sub-Total: ☐

12. In the figure below, ABCD is a rectangle. The ratio of the area of triangle CED to the area of triangle CFD is 3 : 5.




a) The area of triangle CFD is 350 $cm^2$. Find the area of triangle CED.

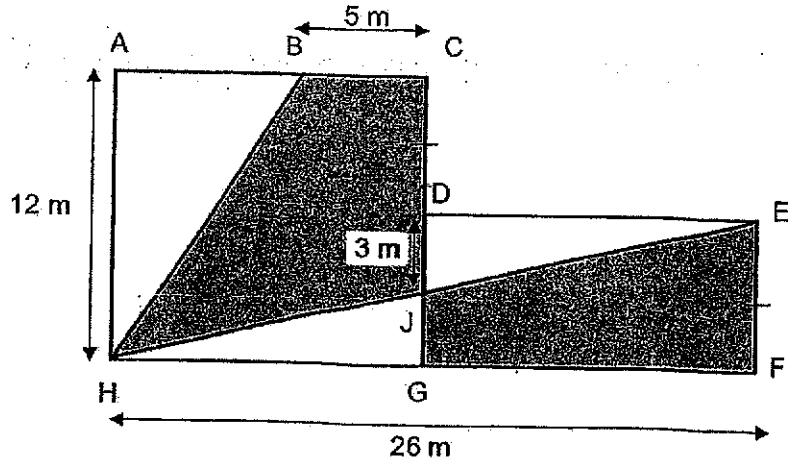
Ans: (a) _____ [2]

b) Find the total area of the shaded part.

Ans: (b) _____ [2]

8 Sub-Total: ☐

13. In the figure, ACGH is a square and ~~DEGH~~ is a rectangle. CD = EF, BC = 5 m and DJ = 3 m. Find the area of the shaded part. (Figure not drawn to scale.)




Ans: _____ [4]

**~ End of Paper ~**



Sub-Total: ☐

**SCHOOL : ANGLO-CHINESE (JUNIOR) SCHOOL**
**LEVEL : PRIMARY 5**
**SUBJECT : MATHEMATICS**
**TERM : 2024 WA2**

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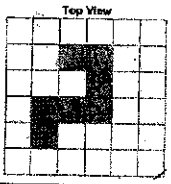
| Q1 | Q2 | Q3 | Q4 | Q5 |
|---|---|---|---|---|
| 2 | 3 | 4 | 2 | 2 |

| | |
|---|---|
| **Q6** | $\frac{1}{2} \times 8 \times 6 =$ **24 cm²** |
| **Q7** | 8 : 3 : 4 |
| **Q8** |   |
| **Q9** | No. of cubes needed to form smallest cube = 3 x 3 x 3 = 27<br>No. of cubes more = 27 - 11 = **16** |
| **Q10** | $\frac{1}{2} \times 15 \times 10 =$ **75 cm²** |
| **Q11** | Total units = 3u + 4u + 5u = 12u<br>12u = 480<br>1u = 40<br>5u - 3u = 2u<br>2u = 2 x 40 = **80** |
| **Q12a** | 5u = 350 cm²<br>1u = 70 cm²<br>3u = 3 x 70 = **210 cm²** |
| **Q12b** | Triangle EFD = 2u, 350 cm² = half the area of rectangle ABCD<br>2u = 2 x 70 = 140 cm²<br>Area of shaded part = 350 - 140 = **210 cm²** |

| | |
|---|---|
| **Q13** | Length GF & length DE = 26 - 12 = 14 m<br>Length CD & length EF = 12 ÷ 2 = 6 m<br>Area of triangle GHJ = $\frac{1}{2}$ x 12 x 3 = 18 m$^2$<br>Area of triangle DEJ = $\frac{1}{2}$ x 14 x 3 = 21 m$^2$<br>Area of triangle ABH = $\frac{1}{2}$ x 12 x 7 = 42 m$^2$<br>Area of rectangle DEFG = 14 x 6 = 84 m$^2$<br>Area of square ACGH = 12 x 12 = 144 m$^2$<br>Shaded area = (144 + 84) - 18 - 21 - 42 = **147 m$^2$** |