Anglo-Chinese School (Junior)

BITE-SIZED ASSESSMENT TWO
PRIMARY 5

MATHEMATICS

Thursday

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.

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 10 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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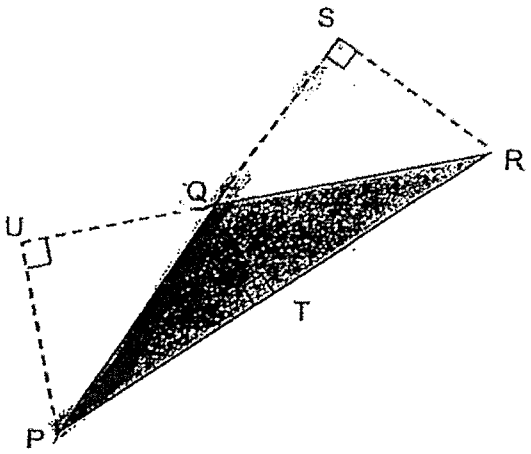
1) In the figure below, SR is the height of Triangle PQR.
What is the base of the triangle?



1) PS

2) PR

3) QP

4) QU

( )

2) There are 36 pens, 9 highlighters and 12 rulers in a box. What is the ratio of the number of highlighters to the number of pens to the number of rulers in the box?

1) 1 : 4 : 12

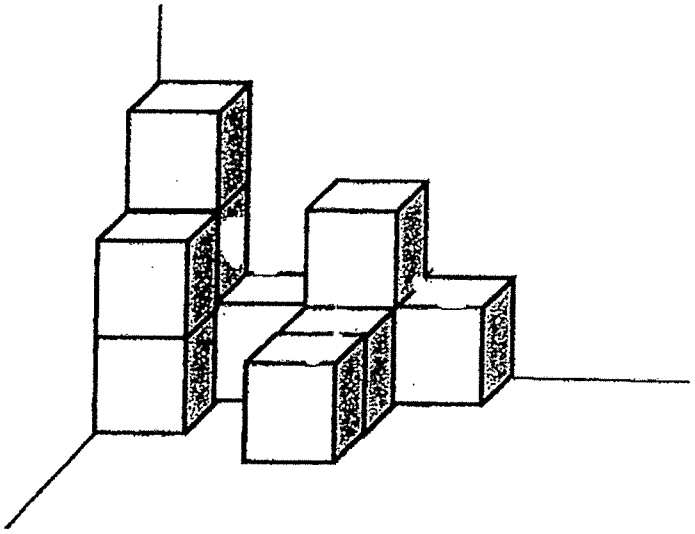
2) 3 : 12 : 4

3) 6 : 3 : 2

4) 12 : 3 : 4

( )

3. The solid below is made up of unit cubes. How many unit cubes are there?



1) 8
2) 9
3) 10
4) 11

( )

4. Fiona made a bracelet with 48 blue and pink beads. For every 3 blue beads, she used 5 pink beads. How many more pink beads did she use?

1) 12
2) 14
3) 30
4) 32

( )

5. The cuboid below has a square base of length 4 cm. Its height is twice its length. Find the volume of the cuboid.

4 cm

1) 4 cm^3

2) 32 cm^3

3) 128 cm^3

4) 256 cm^3 (1)

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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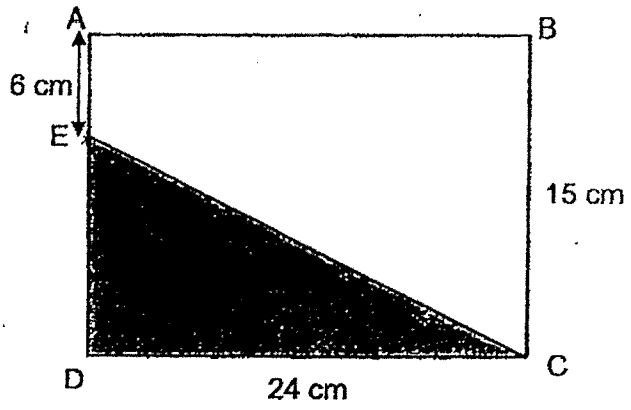
6. 3 : 8 = ☐ : 208

What is the missing number?

Answer : _____

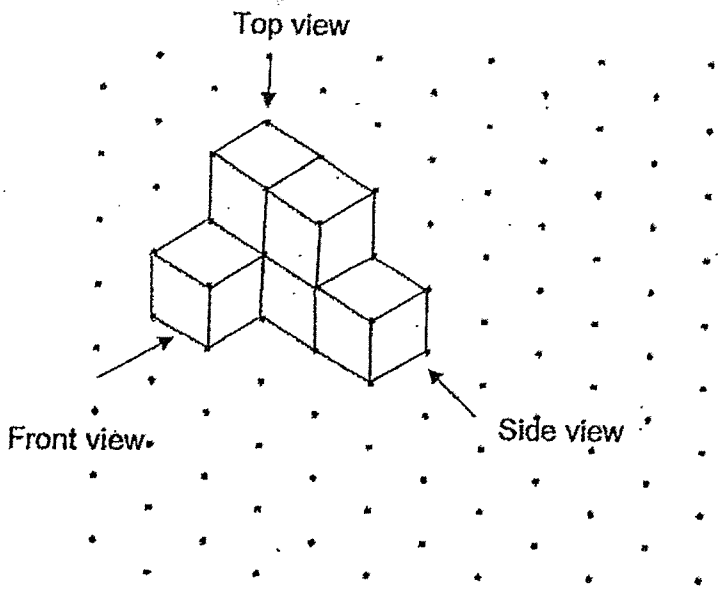
7. In the figure, ABCD is a rectangle. Find the area of the shaded triangle.



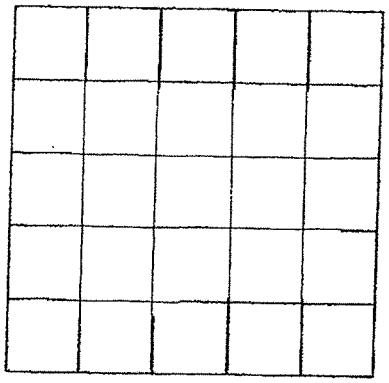
Answer : _____ cm^2

 Sub-Total:

8. Yasmin stacked 6 cubes and glued them together to form the solid below.



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

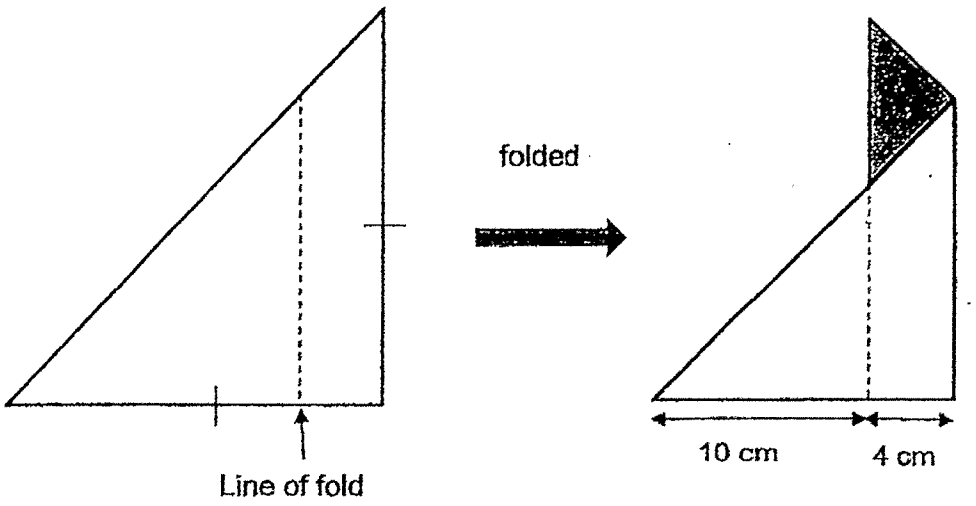


 Sub-Total:

9. A cuboid had its length increased three times, its breadth increased four times and its height increased two times. How many times has the volume of this cuboid increased?

Answer :_____

10. Ken was given a piece of paper in the shape of a right-angled triangle. Two of its sides are equal in length. He then folded the triangular paper along the dotted line as shown below. Find the area of the paper before folding.



Before folding **After folding**

Answer :_____ cm^2

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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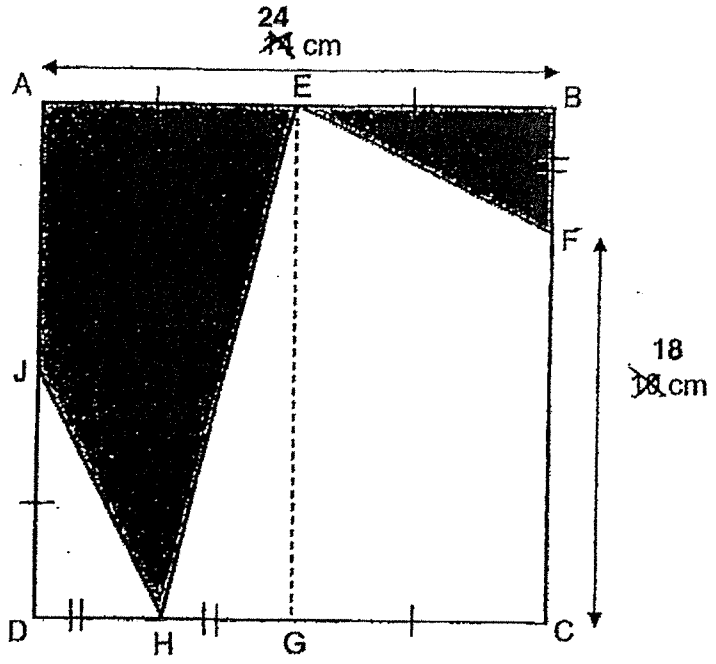
11. Ray and Ahmad shared a sum of $6349 in the ratio 5 : 2. How much more did Ray have than Ahmad?

Answer : _____ [3]

12. In the figure, ABCD is a square. AEGD and EBCG are rectangles and EBF and JHD are triangles. AB = 14 cm and FC = 10 cm. AE = EB = JD = GC and DH = HG = BF. Find the total area of the shaded parts.



Answer : _____[4]

13. The ratio of the length to the breadth to the height of a cuboid is 5 : 2 : 4. The height is 12 cm longer than the breadth.

(a) Find the length of the cuboid.

(b) Find the volume of cuboid.

Answer: (a) _____ [2]

(b) _____ [2]

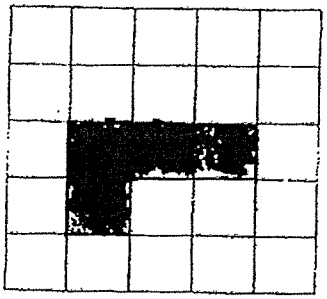
~ End of Paper ~

10 Sub-Total:

ANSWER KEY

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

Q1	3	Q2	2	Q3	4	Q4	1	Q5	3

Q6	78
Q7	Area of $\Delta = \frac{1}{2} \times 24 \times 9 = 108cm^2$
Q8	
Q9	144÷2=72 3×4×2=24 times
Q10	1 side=10+8=18 Area=$\frac{1}{2} \times 9 \times 18 = 162cm^2$
Q11	7u=6349 1u=6349÷7=907 3u=907×3=2721 Ray had $2721 more than Ahmad
Q12	Area of Δ EBF =$\frac{1}{2} \times 6 \times 12 = 36cm^2$ Area of Δ JOH =$\frac{1}{2} \times 12 \times 6 = 36cm^2$ Area of Δ EGH =$\frac{1}{2} \times 24 \times 6 = 72cm^2$ Total of $\frac{1}{2}$ of fig=12×24=288cm^2
Q13	a) 2u=12cm 1u=12÷2=6cm (L)➔ 5u=6×5=30cm The length of the cuboid is 30cm b) (H)➔ 4u=12×2=24cm Volume➔ 24×30×12=8640cm^3 The volume of the cuboid is 8640cm^3

2
END