Catholic High School (Primary)
Primary 5 Mathematics 2021
Weighted Assessment 2

NAME : _____ ( ) DATE : _____

CLASS : _____

PARENT'S SIGNATURE : _____

30

Section A

Questions 1 to 4 carry 2 marks each. For each question, four options are given. Make your choice (1, 2, 3 or 4) and write your choice in the bracket provided. All diagrams are not drawn to scale. (8 marks)

1. What is the missing number in the box below?

   6 : 9 = ☐ : 15

   (1) 12

   (2) 10

   (3) 9

   (4) 6 ( )

2. A bag contained 210 buttons of two different colours. The ratio of the number of blue buttons to the number of red buttons was 2 : 5. Find the number of red buttons.

   (1) 30

   (2) 60

   (3) 90

   (4) 150 ( )

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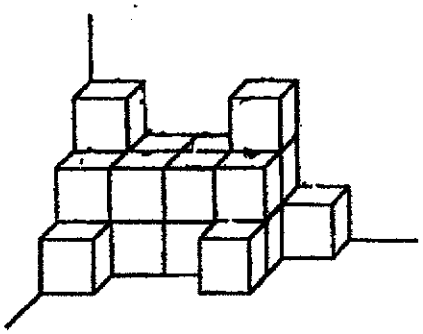
3. The solid below is made up of 1-cm cubes. Amy wants to form a new solid with a volume of 10 cm^3. How many cubes must she remove from the solid below?



(1) 4

(2) 5

(3) 11

(4) 21 ( )

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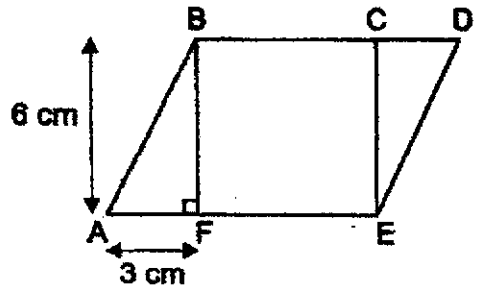
4. The figure ABDE below is made up of a square BCEF and two identical triangles ABF and CDE. BF= 6 cm and AF = 3 cm. Find the area of the figure ABDE.



(1) 54 cm^2

(2) 36 cm^2

(3) 27 cm^2

(4) 18 cm^2 ( )

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Do not write in this space

Section B

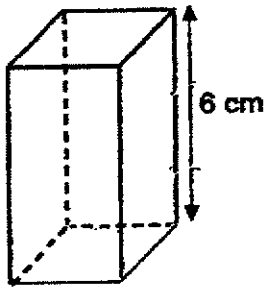
Questions 5 to 10 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale.

(12 marks)

5. The ratio of the number of books to the number of pens is 2 : 5. The ratio of the number of erasers to the number of books is 3 : 7. What is the ratio of the number of pens to the number of erasers?

Ans: _____

6. The figure below shows a cuboid with a square base and a height of 6 cm. The side of the square base is half of its height. Find the volume of the cuboid.



Ans: _____ cm^3

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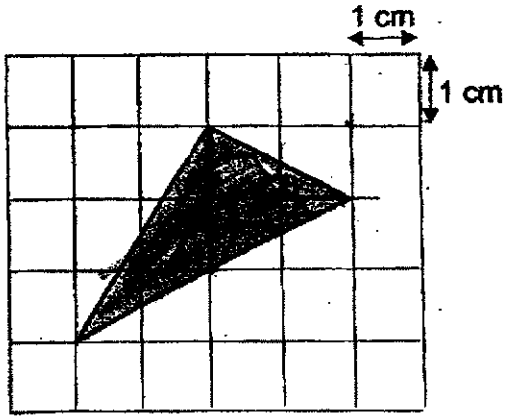
7. The shaded figure below is drawn on a square grid.
Find the area of the shaded figure.

Do not write in this space



Ans: _____ cm^2

8. The ratio of the number of sweets Asha had to the number of sweets Bala had was 3 : 4. The ratio of the number of sweets Bala had to the number of sweets Carl had was 2 : 3.

Each of the statements below is either true, false or not possible to tell from the information given. For each statement, put a (✓) to indicate your answer.

Statement	True	False	Not possible to tell
(a) Asha and Carl had the same number of sweets.			
(b) After Bala gave half of his sweets to Carl, Carl had 4 times as many sweets as Bala.			

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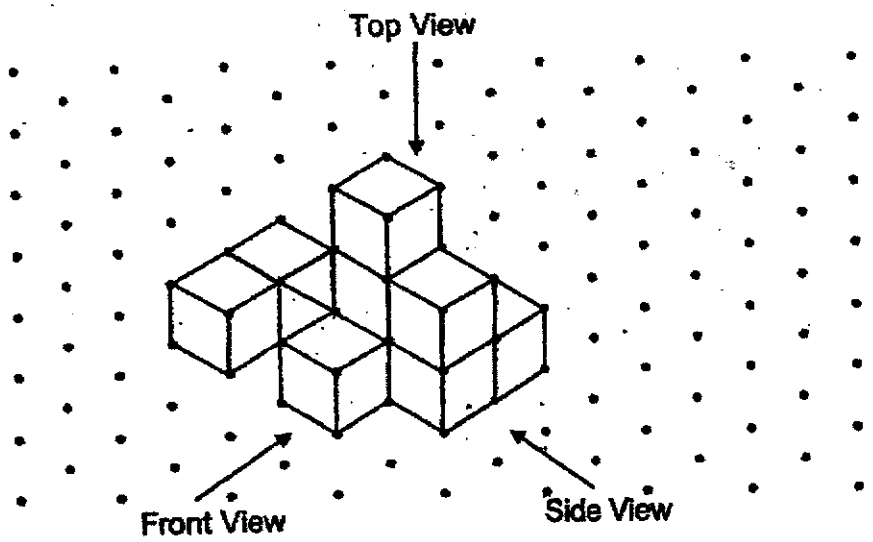
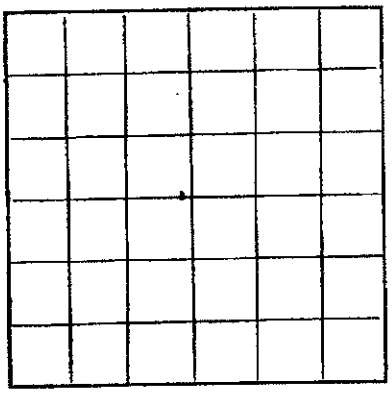
9. The following solid is made up of 10 unit cubes. Draw the front view and the side view of the solid.

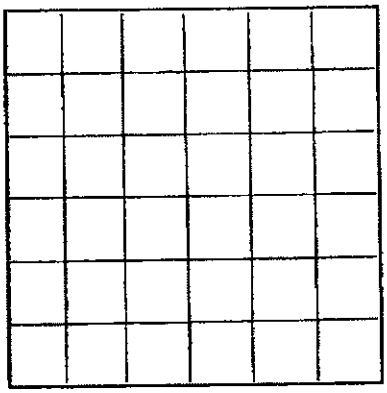
Do not write in this space



Front View



Side View



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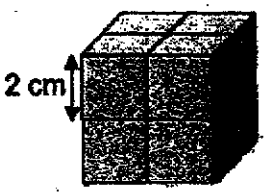
10. The solid below is made up of identical unit cubes. The edge of each cube is 2 cm. Find the volume of the solid.

Do not write in this space



Ans: _____ cm^3

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Section C

For questions **11** to **13**, show your working clearly in the space provided for each question 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.

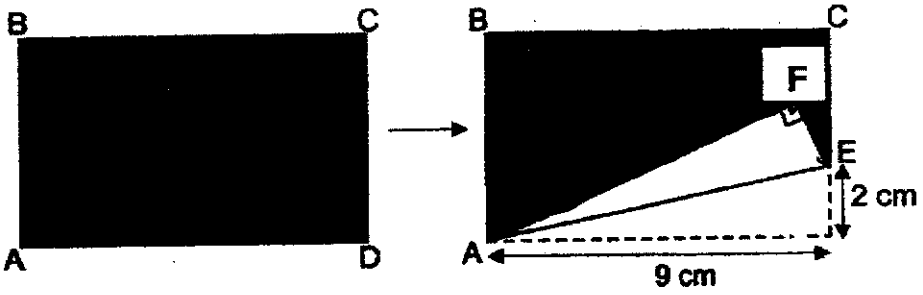
(10 marks)

Do not write in this space

11. A piece of wire is bent to form a triangle. The sides of the triangles are in the ratio of 3 : 5 : 9. The difference between the longest side of the triangle and the shortest side of the triangle is 42 cm. Find the length of the wire used to form the triangle.

Ans: _____ [3]

12. A rectangular piece of paper ABCD was folded along line AE to form the shape below. The shaded area ABCEF is 27 cm^2. Find the area of the rectangular piece of paper ABCD when unfolded.



Ans: _____ [3]

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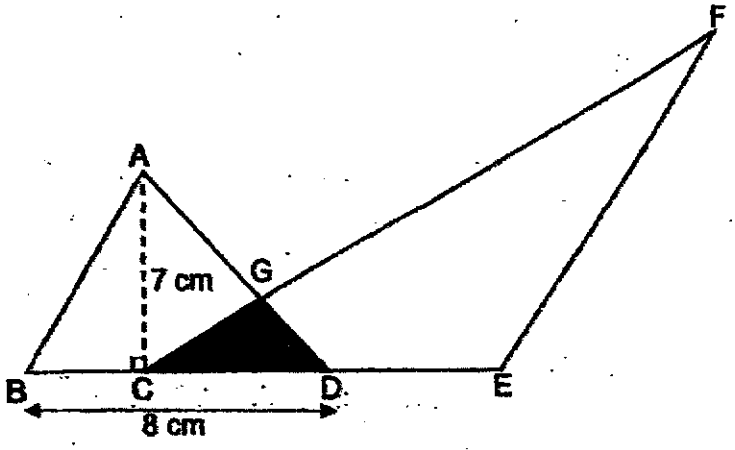
13. The figure below is made up of two triangles ADB and CFE overlapping each other. BE is a straight line, AC = 7 cm and BD = 8 cm. The ratio of the area of triangle ADB to the area of triangle CFE is 1 : 3. The area of the shaded triangle CGD is 25 cm^2.

Do not write in this space

a) Find the area of triangle ADB.
b) Find the area of figure GFED.



Ans: a) _____ [2]

b) _____ [2]

END OF PAPER

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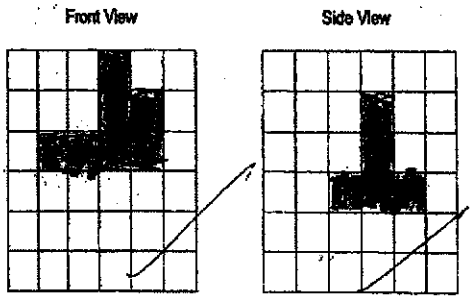
ANSWER KEY

YEAR : 2021
LEVEL : Primary 5
SCHOOL : Catholic High School
SUBJECT : MATHEMATICS
TERM : Weighted Assessment

Weighted Assessment 2

Q1	2	Q2	4	Q3	3	Q4	1

Q5	35:6	Q6	54
Q7	4	Q8	False True
Q9		Q10	64
Q11	119cm	Q12	~~36cm^2~~ 45 cm^2
Q13	(a) 28cm^2 (b) 59cm^2		

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