# Catholic High School (Primary)
# Primary 5 Mathematics 2022
# 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?

   12 : 30 = ☐ : 25

   (1) 5

   (2) 7

   (3) 10

   (4) 17 (  )

2. A board game costs $63. A toy costs $45 less than the board game. Find the ratio of the cost of the toy to the cost of the board game in the simplest form.

   (1) 2 : 7

   (2) 5 : 7

   (3) 7 : 2

   (4) 7 : 5 (  )



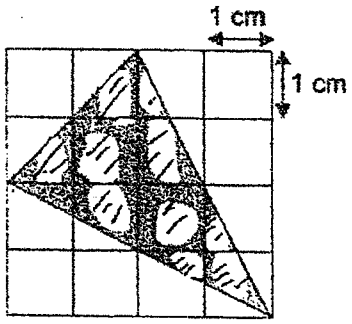
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3. The shaded figure below is drawn on a square grid.
Find the area of the shaded figure.




(1) 3 $cm^2$

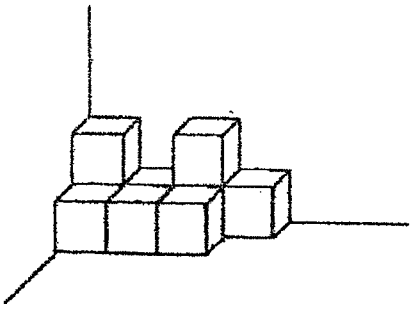
(2) 6 $cm^2$

(3) 8 $cm^2$

(4) 10 $cm^2$ ( )

---

4. The solid below is made up of 1-cm cubes. What is the least number of cubes to be added to the solid to form a cuboid?



(1) 17

(2) 16

(3) 7

(4) 5 ( )

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**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.

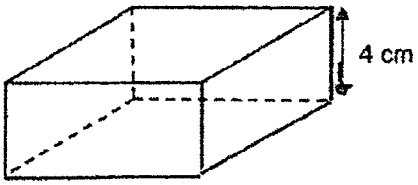
(12 marks)

Do not write in this space

5. There were 84 children in a movie theatre. The ratio of the number of adults to the number of children in the movie theatre was 8 : 7. How many more adults than children were there in the movie theatre?

Ans: _____

6. The figure below shows a cuboid with a square base and a height of 4 cm. The side of the square base is twice of its height. Find the volume of the cuboid.




Ans: _____ $cm^3$



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7. The perimeter of rectangle QRST is 80 cm. The length QR is 3 times as long as its breadth RS. Find the area of the shaded triangle QST.

Do not write in this space




Ans:_____ $cm^2$

8 The ratio of the number of fish in Tank A to the number of fish in Tank B was 5 : 9. There were 48 fewer fish in Tank A than in T ank B. How many fish were there in Tank A and Tank B altogether?

Ans: _____



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9. The age of three siblings, Alan, Belle and Carl, are in the ratio of 1 : 3 : 2 now.

Do not write in this space

Each statement below is either true, false or not possible to tell from the information given. For each statement, put a (✓) in the correct column.

| Statement | True | False | Not possible to tell |
|---|---|---|---|
| (a) The sum of Alan's and Belle's age is twice of Carl's age. | | | |
| (b) In two years' time, when Carl is 6 years old, Alan will be 3 years old. | | | |



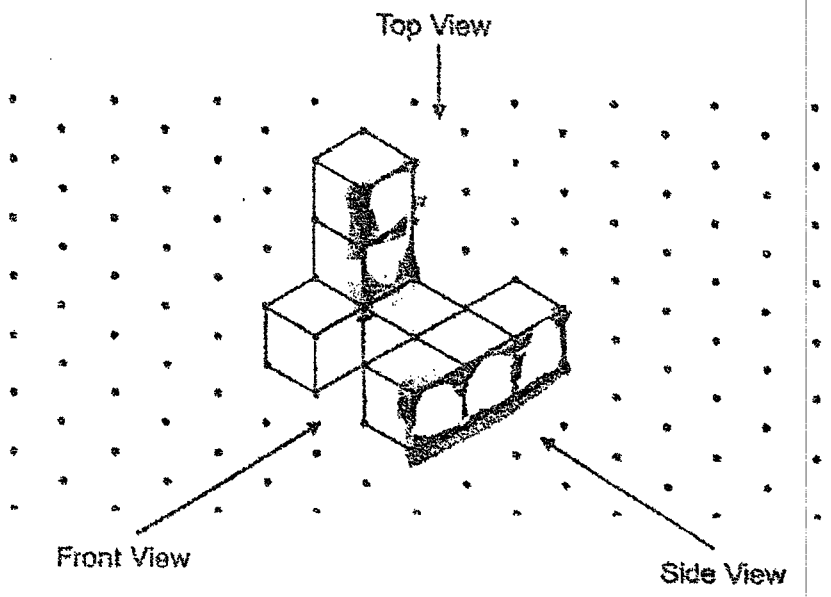
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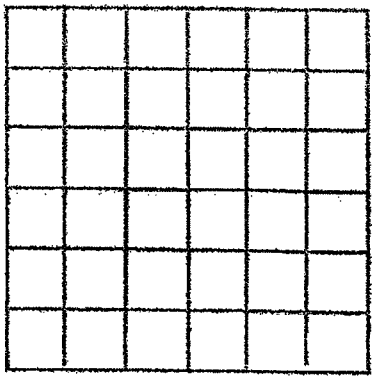
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10. The following solid is made up of 8 unit cubes. Draw the ~~front view~~ Top view and the side view of the solid.

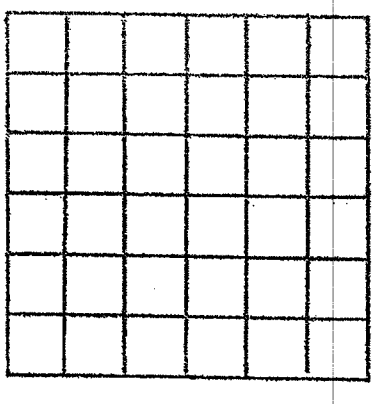
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Side View



Top View





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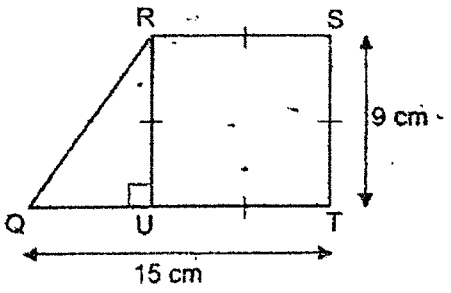
## Section C

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. In the figure, QRSTU is made up of triangle QRU and square RSTU. ST = 9 cm and QT = 15 cm. Find the area of the figure QRSTU.




Ans: _____ [3]

12. Sam bought an oven, a pan and a toaster. The ratio of the cost of the oven to the cost of the pan to the cost of the toaster is 5 : 1 : 2. He paid $384 for all three items. How much did he pay for the oven?

**Ans:** _____

**Ans:** _____ [3]



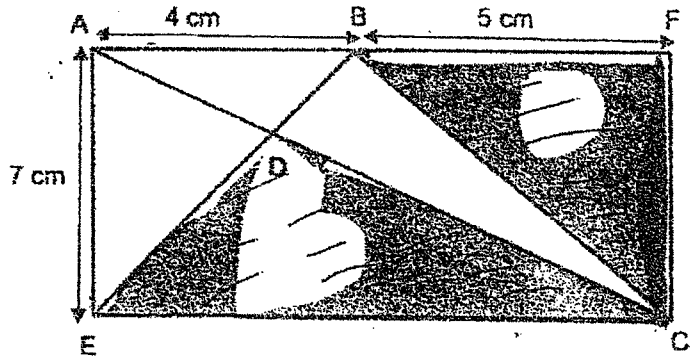
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13. In the figure below, AFCE is a rectangle and the unshaded figure is made up of three triangles ABD, BCD and ADE. AB = 4 cm, AE = 7 cm and BF = 5 cm. The area of triangle ABD is 5 cm$^2$, find the total area of the shaded parts.

Do not write in this space




Ans: _____ [4]

**END OF PAPER**



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# ANSWER KEY

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LEVEL : PRIMARY 5

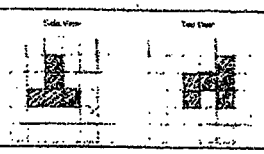
SCHOOL : CATHOLIC HIGH SCHOOL (Primary)

SUBJECT : MATHEMATICS

TERM : WA2

**WA2**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Q1 | 3 | Q2 | 1 | Q3 | 2 | Q4 | 3 |

| | | | |
|---|---|---|---|
| Q5 | 84÷7=12<br>Ans : 12 | Q6 | 4×2=8<br>8×8×4=256<br>Ans : 256 |
| Q7 | 80÷8=10<br>30×10=300<br>300÷2=150<br>Ans : 150 | Q8 | 48÷4=12<br>12×14=168<br>Ans : 168 |
| Q9 | (a) True<br>(b) False | Q10 |  |
| Q11 | 9×9=81<br>15-9=6<br>$\frac{1}{2} \times 6 \times 9 = 27$<br>27+81=108<br>Ans : 108cm$^2$ | Q12 | 384÷8=48<br>48×5=240<br>Ans : $240 |
| Q13 | 9×7=63<br>$2 \times \frac{1}{2} \times 4 \times 7 = 28$<br>63-28-5=40<br>Ans : 40cm$^2$ | | |

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