Catholic High School (Primary)
Primary 5 Mathematics 2024
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)

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1. Dennis had 49 stickers and Ray had 28 stickers. What was the ratio of the number of stickers Ray had to the total number of stickers they had altogether?

(1) 7 : 11

(2) 7 : 4

(3) 4 : 11

(4) 4 : 7 ( )

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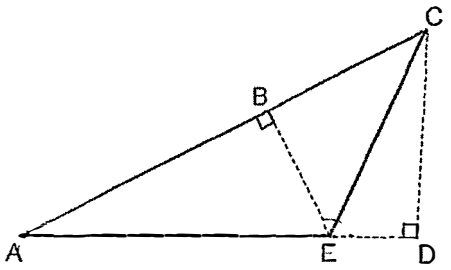
2. ACE is a triangle. Which of the following is the height of triangle ACE when AC is the base of the triangle?



(1) AE

(2) BE

(3) CE

(4) CD ( )

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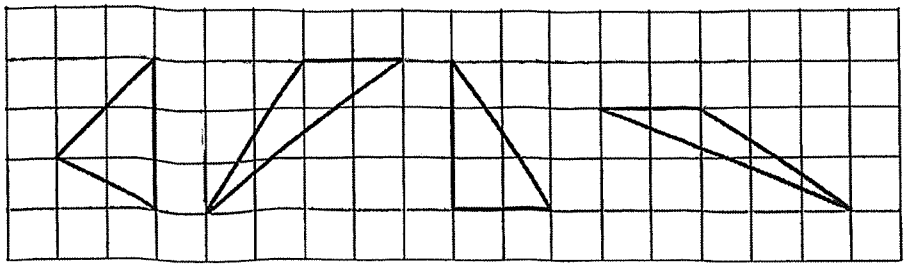
3. The following triangles are drawn on a square grid. Which one of the following triangles does not have the same area as the other triangles?



(1) (2) (3) (4)

( )

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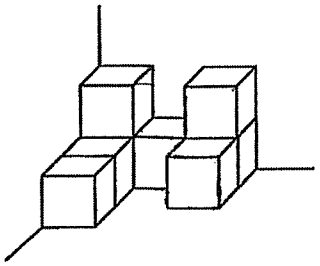
4. The solid is made up of unit cubes. What is the least number of unit cubes to be added to the solid to form a cuboid?



(1) 10

(2) 18

(3) 19

(4) 27 ( )

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)

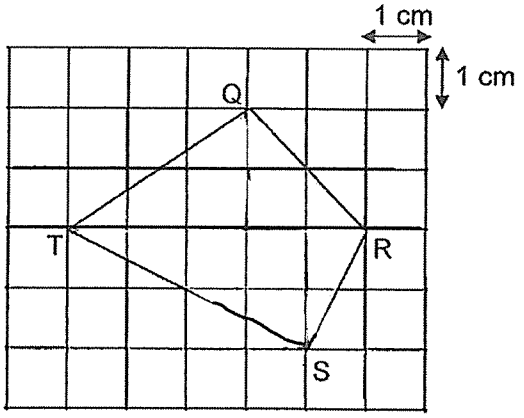
Do not write in this space

5. What is the missing number in the blank?

4 : 2 = ___?___ : 3

Ans: _____

6. The figure QRST is drawn on a square grid. Find the area of figure QRST.



Ans: _____ cm^2

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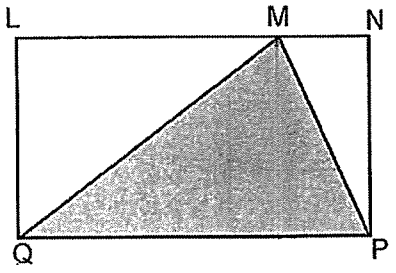
7. Mrs Li baked some tarts, pies and cakes. The ratio of the number of tarts to the number of pies is 7 : 8. She baked 12 more cakes than tarts and 8 more cakes than pies. How many pies did she bake?

Do not write in this space

Ans: _____

8. The figure below shows a rectangle LNPQ and a triangle MPQ. The area of triangle MPQ is 135 cm^2. Find the area of rectangle LNPQ.



Ans: _____ cm^2

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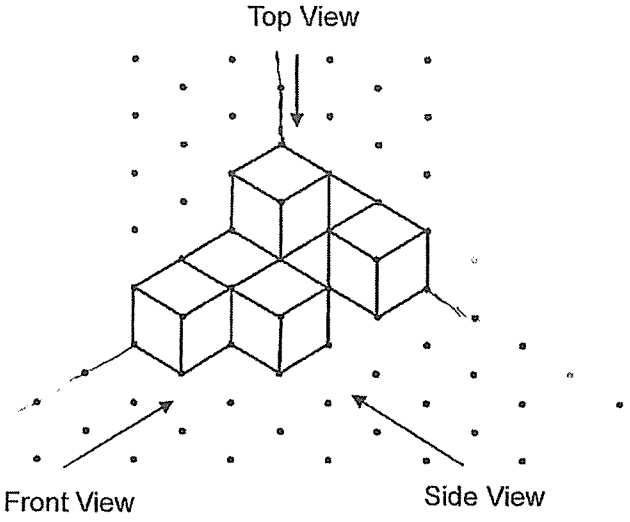
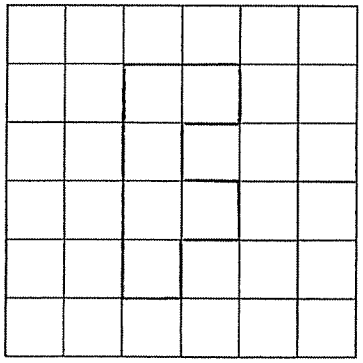
9. The figure below is made up of 7 unit cubes. Draw the top and side view of the figure on the square grid provided.

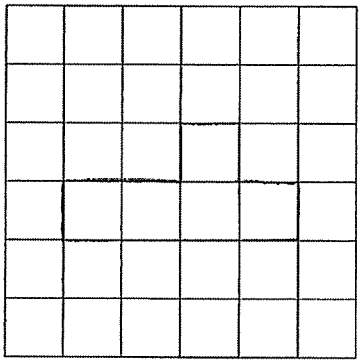
Do not write in this space



Top View



Side View



10. Donovan bought some red balloons, blue balloons and yellow balloons. The ratio of the number of red balloons to the number of blue balloons to the number of yellow balloons was 2 : 3 : 8. There were 65 more yellow balloons than blue balloons.

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 tick (✓) in the correct column.

Statement	True	False	Not possible to tell
The number of yellow balloons was four times the number of red balloons.			
There were 13 more blue balloons than red balloons.			

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Section C

Do not write in this space

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

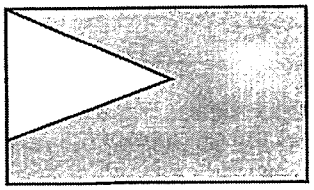
(10 marks)

11. A cuboid has a square base with each side measuring 8 cm. Its height is thrice of a side of the square base. Find the volume of the cuboid.

Ans: _____ [3]

12. A triangle overlaps a rectangle as shown in the figure below. The ratio of the area of the rectangle to the area of the triangle 9 : 2. The area of the rectangle is 126 cm^2. Find the area of the shaded part of the figure.

Do not write in this space



Ans: _____ [3]

13. John has $250 and Mabel has $100. Henry has 4 times as much money as Mabel.

Do not write in this space

(a) What was the ratio of the amount of money John has to the amount of money Mabel has to the amount of money Henry has? Express your answer in the simplest form.

Ans: (a)_____ [2]

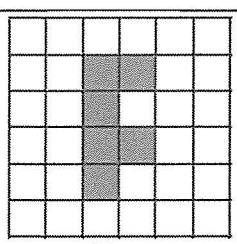
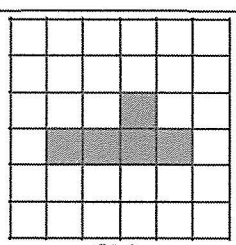
(b) How much money must Henry give Mabel so that each child will have the same amount of money in the end?

Ans: (b)_____ [2]

END OF PAPER

SCHOOL : CATHOLIC HIGH SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATHEMATICS
TERM : 2024 WA2

Q1	Q2	Q3	Q4
3	2	4	1

Q5	6
Q6	QRT = $\frac{1}{2}$ x 5 x 2 = 5 cm² RST = $\frac{1}{2}$ x 5 x 2 = 5 cm² 5 + 5 = **10 cm²**
Q7	8u - 7u = 1u 1u = 12 - 8 = 4 8u = 8 x 4 = **32**
Q8	Shaded area = unshaded area Area of LNPQ = 135 x 2 = **270 cm²**
Q9	 Top  Side
Q10	True, True
Q11	Volume of cuboid = 8 x 8 x 24 = **1536 cm³**
Q12	9u = 126 1u = 14 9u - 2u = 7u 7u = 7 x 14 = **98 cm²**
Q13a	John : Mabel : Henry 250 : 100 : 4 x 100 = 400 **5 : 2 : 8**
Q13b	$400 - $100 = $300 $300 ÷ 2 = **$150**