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)

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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

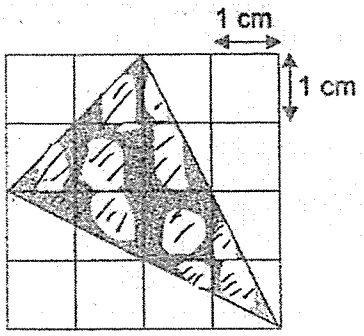
   (2) 5 : 7

   (3) 7 : 2

   (4) 7 : 5 ( )

(Go on to the next page)

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 ( )

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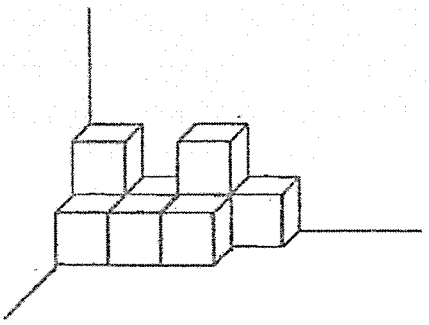
4. The solid below is made up of 1-cm cubes. What is the least number of cubes to be added to the solid to form a cuboid?



(1) 17

(2) 16

(3) 7

(4) 5 ( )

Section B

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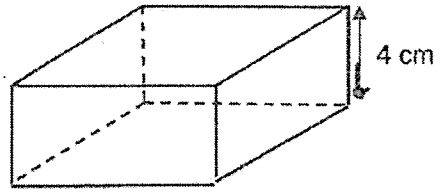
Questions **5** to **10** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale.

(12 marks)

5. 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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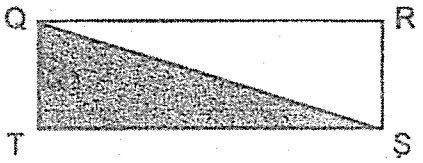
7. The perimeter of rectangle QRST is 80 cm. The length QR is 3 times as long as its breadth RS. Find the area of the shaded triangle QST.

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: _____

(Go on to the next page)

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

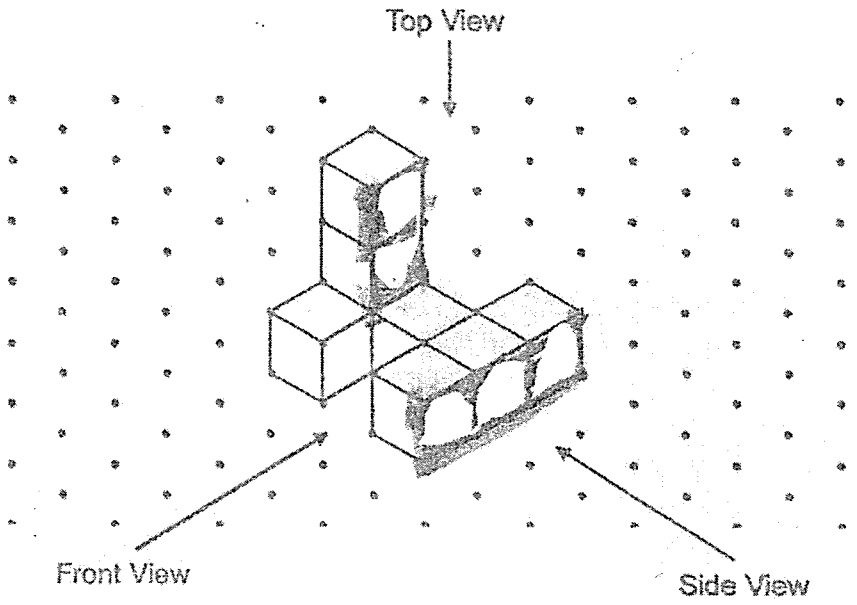
Each statement below is either true, false or not possible to tell from the information given. For each statement, put a (✓) in the correct column.

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.			

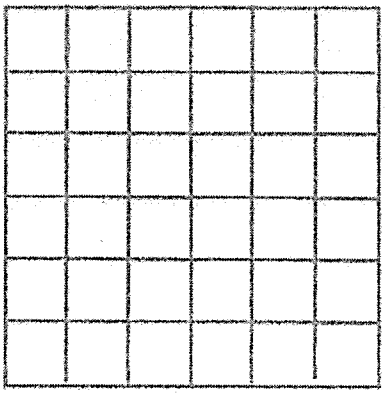
(Go on to the next page)

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

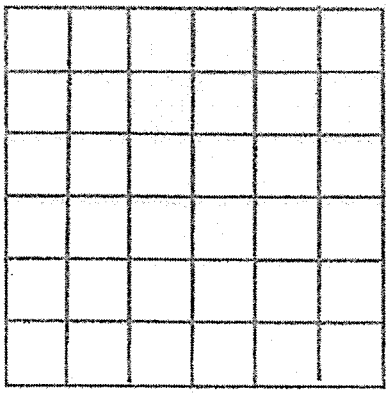
Do not write in this space



Side View



Top View



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Section C

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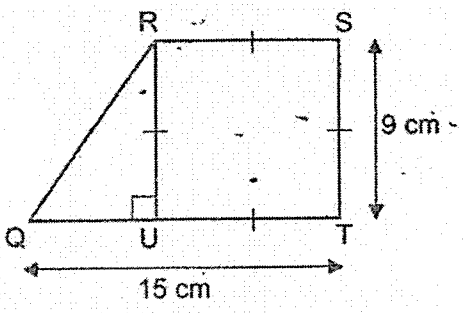
For questions **11** to **13**, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

(10 marks)

11. 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?

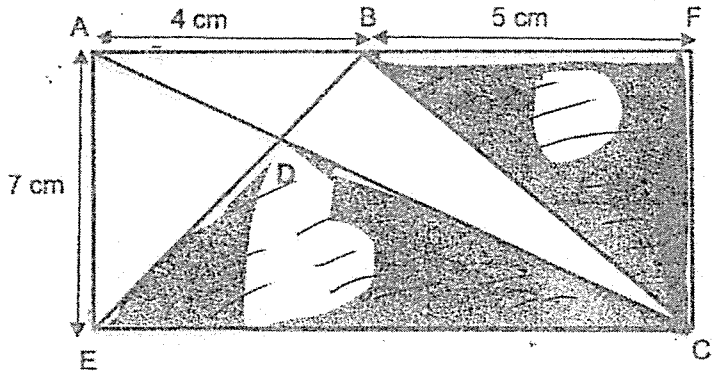
Ans: _____

Ans: _____ [3]

(Go on to the next page)

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

Catholic High School (Primary)
Primary 5 Mathematics 2022
Weighted Assessment 3

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. Find the value of 48 ÷ 300.

(1) 0.16

(2) 1.44

(3) 1.6

(4) 14.4 ( )

---

2. There were 800 people at a musical. 63% of the people were children while the rest were adults. How many adults were at the musical?

(1) 296

(2) 376

(3) 504

(4) 737 ( )

---

3. The average of seven numbers is 26. The first number is 14. Find the average of the other six numbers.

(1) 14

(2) 28

(3) 168

(4) 182 ( )

---

4. The table below shows the rental charges for a pair of roller skates.

First 2 hours	\$16
After the second hour	\$6 per $\frac{1}{2}$ hour or less

Max rented a pair of roller skates from 8.30 a.m. to 11.45 a.m. on the same day. How much did he pay?

(1) \$22

(2) \$28

(3) \$32

(4) \$34 ( )

Section B

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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. Jack's family consumed a total of 48.5 kg of rice in November and December. His family consumed 5.1 kg more rice in December than in November. How many kilograms of rice did Jack's family consume in December?

Ans: _____ kg

6. An airline company had 500 seats. 350 seats were occupied. What percentage of the seats were occupied?

Ans: _____ %

(Go on to the next page)

7. The table below shows the number of books read by four girls during the holidays.

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Names of Girls	Number of books read
Abigail	8
Bernadette	16
Caroline	0
Denise	24

What was the average number of books read by each girl?

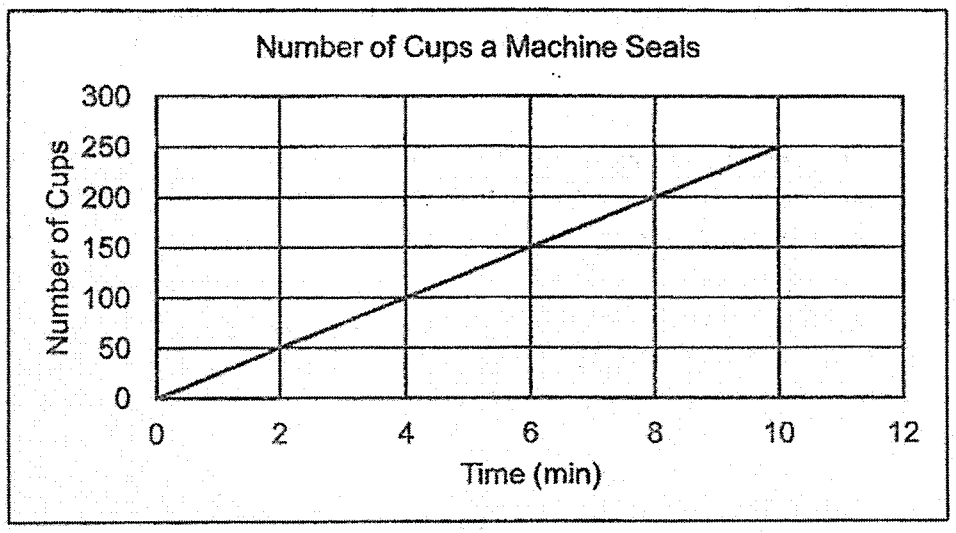
Ans: _____

8. Peter can run 3 km in 20 minutes. At this rate, how many kilometres can he run in 120 minutes?

Ans: _____ km

(Go on to the next page)

9. The line graph shows the number of cups of bubble tea a machine sealed over ~~five~~ 10 min minutes.



How many cups does the machine seal per minute?

Ans: _____

Do not write in this space

10. The price of a laptop before GST was $1200. What was the price of the laptop including 7% GST?

Ans: $_____

(Go on to the next page)

Section C

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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. Mr Fernandez bought some chickens from America, Canada and Brazil. 45% of the chickens were from America, 35% of the chickens were from Brazil and the rest were from Canada. There were 20 fewer chickens from Brazil than America.

(a) What percentage of the chickens were from Canada?

(b) Find the total number of chickens from Canada and Brazil.

Ans: (a)_____ [1]

(b)_____ [2]

(Go on to the next page)

12. Car A had 7800 ml of petrol. Car B had 10.3 ℓ of petrol. When the same amount of petrol was used in each car, the amount of petrol left in Car B was six times of that left in Car A. How much petrol was used in each car? Leave your answer in litres.

Do not write in this space

Ans:_____ [3]

(Go on to the next page)

13. The total cost of a big sticker and a small sticker is $1.20. John paid $10.40 for 9 big stickers and 8 small stickers. Luke bought 9 small stickers. How much did Luke pay for 9 small stickers?

Do not write in this space

Ans:_____ [4]

END OF PAPER

ANSWER KEY

YEAR : 2022

LEVEL : PRIMARY 5

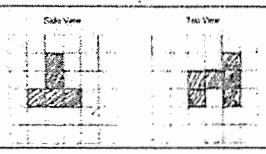
SCHOOL : CATHOLIC HIGH SCHOOL (Primary)

SUBJECT : MATHEMATICS

TERM : WA2 & WA3

WA2

Q1	-3	Q2	1	Q3	2	Q4	3

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

WA3

Q1	1	Q2	1	Q3	2	Q4	4

Q5	48.5-5.1=43.4 43.4÷2=21.7 21.7+5.1=26.8 Ans : 26.8	Q6	500÷100=5 350÷5=70 Ans : 70
Q7	24+16+8+0=48 48÷4=12 Ans : 12	Q8	120÷20=6 3×6=18 Ans : 18
Q9	250÷10=25 Ans : 25	Q10	1200÷100=12 12×7=84 1200+84=1284 Ans : 1284
Q11	(a) 100-45-35=20 (b) 45-35=10 20÷10=2 55×2=110 Ans : (a) 20% (b) 110	Q12	10.3-7.8=2.5 2.5÷5=0.5 7.8-0.5=7.3 Ans : 7.3L
Q13	1.20×9=10.80 10.80-10.40=0.40 0.40×9=3.60 Ans : $3.60		

END