



**MARIS STELLA HIGH SCHOOL (PRIMARY)**

**PRIMARY 5 MATHEMATICS**

**TERM 2 WEIGHTED ASSESSMENT**

**11 MAY 2021**

27 questions

50 marks

Total Time: 1 h 15 min

**NAME:** \_\_\_\_\_ (      )

**CLASS: PRIMARY 5** \_\_\_\_\_

**YOU ARE NOT ALLOWED TO USE A CALCULATOR.**

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**

**FOLLOW ALL INSTRUCTIONS CAREFULLY.**

**ANSWER ALL QUESTIONS.**

<b>MARKS OBTAINED</b>		
<b>TOTAL</b>	<b>/ 50</b>	<b>Date:</b> _____

**Section A: 21 marks**

Questions 1 to 5 carry 1 mark each. Questions 6 to 13 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) and write the correct answer in the brackets provided.

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1.  $4\ 830\ 540 = 4\ 000\ 000 + \underline{\hspace{2cm}} + 500 + 40$

- (1) 80 000
- (2) 800 000
- (3) 803 000
- (4) 830 000

( )

2. What is the value of  $28\ 000 \div 400$  ?

- (1) 7
- (2) 70
- (3) 700
- (4) 7000

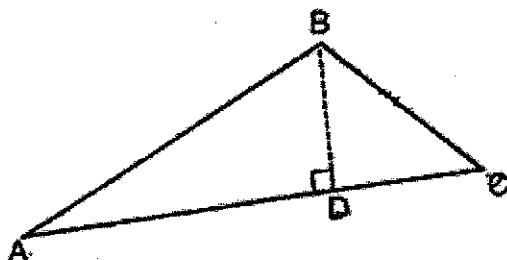
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3.  $\frac{2}{7} + \frac{2}{7} + \frac{2}{7} + \frac{2}{7} + \frac{2}{7} + \frac{2}{7} = \underline{\hspace{2cm}} \times \frac{2}{7}$

- (1) 12
- (2) 2
- (3) 6
- (4) 10

( )

4. In the figure below, ABC is a triangle.



Given that BD is the height of triangle ABC, what is its base?

- (1) AC
- (2) AD
- (3) BC
- (4) DC

(      )

5. Find the product of 80 and  $\frac{2}{5}$ .

- (1) 16
- (2) 32
- (3) 40
- (4) 48

(      )

6. There are 42 females and 38 males. Express the ratio of the number of females to the total number of females and males.

- (1) 19 : 21
- (2) 19 : 40
- (3) 21 : 19
- (4) 21 : 40

(      )

7.  $\frac{2}{3}$  of a number is 12. What is the number?

- (1) 6  
(2) 8  
(3) 18  
(4) 36

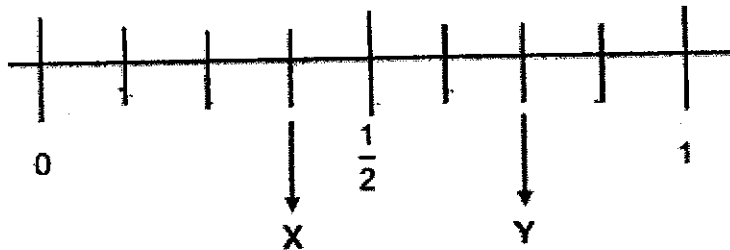
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8. The ratio of the number of yellow balloons to the number of red balloons is 3 : 2. There are 120 yellow balloons. How many red balloons are there?

- (1) 40  
(2) 80  
(3) 60  
(4) 180

( )

9. Look at the scale below.

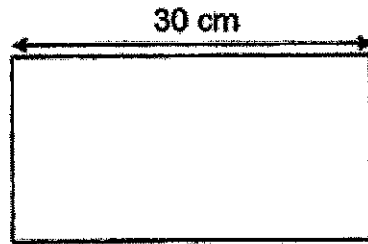


What are the values of X and Y?

	X	Y
(1)	$\frac{3}{9}$	$\frac{7}{9}$
(2)	$\frac{3}{8}$	$\frac{6}{8}$
(3)	$\frac{3}{4}$	$\frac{2}{4}$
(4)	$\frac{3}{4}$	$\frac{6}{8}$

( )

10.



The length and breadth of a rectangle are in the ratio 3 : 2. Find the perimeter of the rectangle.

- (1) 20 cm
- (2) 50 cm
- (3) 100 cm
- (4) 600 cm ( )

11. Devi and Siti baked 1200 cookies. Alice and Siti baked 900 cookies. Devi baked 4 times as many cookies as Alice. How many cookies did Siti sell?

- (1) 100
- (2) 300
- (3) 400
- (4) 800 ( )

12. Mark and Jeremy had the same number of stickers at first. After Mark gave away 48 stickers and Jeremy bought another 12 stickers, Jeremy had 4 times as many stickers as Mark. How many stickers did Jeremy have in the end?

- (1) 15
- (2) 20
- (3) 60
- (4) 80 ( )

13. In a storybook, the pages are numbered from 1 to 59. What is the sum of all the page numbers in the storybook?

- (1) 1711
- (2) 1740
- (3) 1770
- (4) 1800

**End of Section A**  
**Go on to Section B**

**SECTION B: 19 marks**

Questions 14 to 16 carry 1 mark each. Questions 17 to 24 carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the blanks provided. For questions which require units, give your answers in the units stated.

14. Express  $\frac{3}{7}$  as a decimal. Give your answer correct to 2 decimal places.

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Ans: \_\_\_\_\_

15. 1, 2, 3 and 12 are factors of 12. What are the other 2 factors of 12?

Ans: \_\_\_\_\_ and \_\_\_\_\_

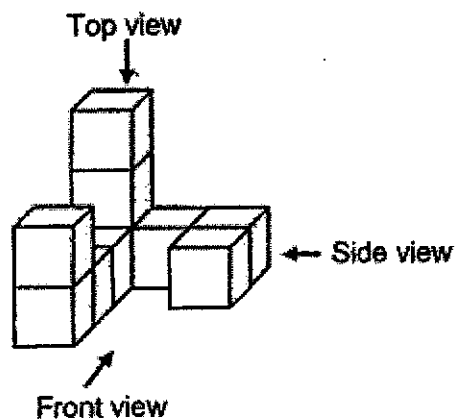
16. Using the digits in the box below, form the smallest possible 4-digit odd number.

0, 5, 6, 8

Ans: \_\_\_\_\_

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17. Amirah used 10 unit cubes to form the solid below.  
Draw the side view and top view of the solid on the grids below.



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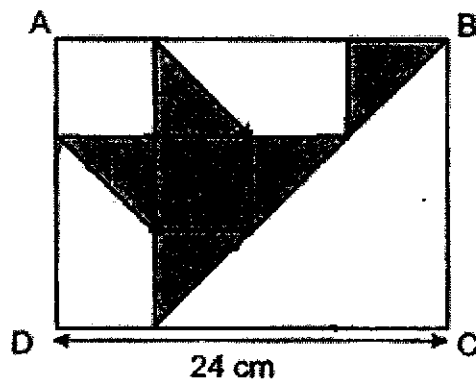
Side View	Top View
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <div style="width: 100%; height: 100%; border: 1px solid black; position: relative;"> <!-- Grid of dots for Side View --> </div> </div> <div style="width: 50%;"> <div style="width: 100%; height: 100%; border: 1px solid black; position: relative;"> <!-- Grid of dots for Top View --> </div> </div> </div>	



18. Janet has 300 sweets. She packs them into identical boxes. Each box can contain at most 40 sweets. What is the least number of boxes needed to pack all the sweets?

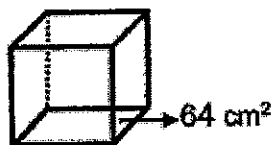
Ans: \_\_\_\_\_

19. 5 shaded identical triangles and a shaded square are in rectangle ABCD. Find the shaded area of the figure.



Ans: \_\_\_\_\_  $\text{cm}^2$

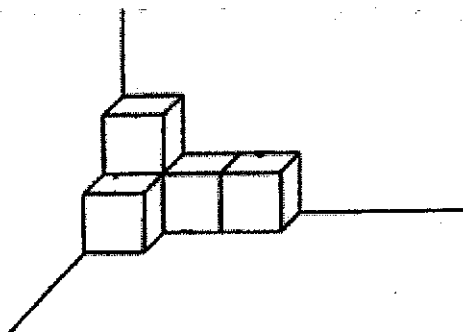
20. The base area of the cube below is  $64 \text{ cm}^2$ . Find the volume of the cube.



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Ans: \_\_\_\_\_  $\text{cm}^3$

21. The solid below is made up of 5 unit cubes glued together. What is the smallest possible number of unit cubes that has to be added to the solid to form a cube?



Ans: \_\_\_\_\_

22. The cost of a book, a toy and a water bottle were in the ratio of 3 : 2 : 5. The book cost \$20 less than the water bottle. Jane bought a book, a toy and a water bottle. How much did she pay altogether?

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Ans: \$ \_\_\_\_\_

23. A class of 25 students had to fold 12 paper rabbits each during a carnival. During the carnival, some students were absent. As a result, the students who were present had to fold 8 more paper rabbits each. How many students were absent?

Ans: \_\_\_\_\_

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24. Mr Lim baked 780 muffins and Mr Tan baked 420 muffins at first. After each of them sold the same number of muffins, Mr Lim had 4 times as many muffins as Mr Tan had left. How many muffins did each of them sell?

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Ans: \_\_\_\_\_

**End of Section B**  
**Go on to Section C**

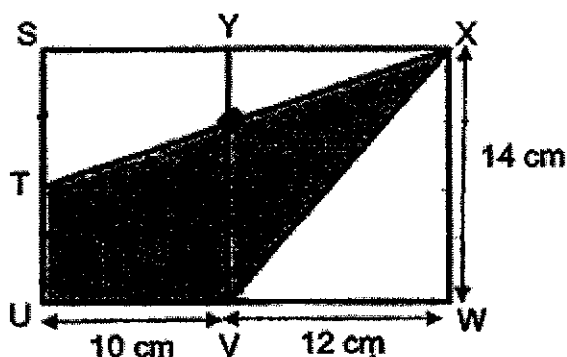
**SECTION C: 10 marks**

Questions 25 to 26 carry 3 marks each. Question 27 carries 4 marks.

Show your workings clearly in the space provided for each question and write your answers in the blanks provided.

25. The figure below is made up of two rectangles,  $SUVY$  and  $YXWV$ . Given that  $ST = TU$ , find the area of the shaded parts.

Do not write in this space.



Ans: 147 cm<sup>2</sup> [3]

26. Sam had some apples. He sold 210 apples in the afternoon and  $\frac{3}{7}$  of the remaining apples in the evening. In the end, he had  $\frac{1}{3}$  of the total number of apples left. How many apples did he have at first?

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Ans: \_\_\_\_\_ [3]

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27. A baker baked 270 egg tarts and fruit tarts altogether. At first, the number of egg tarts was  $\frac{2}{3}$  of the total number of tarts. Some fruit tarts were sold and the number of egg tarts became  $\frac{6}{7}$  of the total number of tarts.

- (a) What fraction of the tarts were fruit tarts at first?  
(b) How many fruit tarts were sold?

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Ans: (a) \_\_\_\_\_ [1]

(b) \_\_\_\_\_ [3]

**End of Paper**  
**Please check your work carefully**

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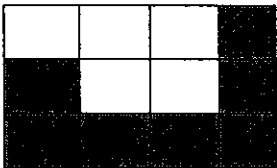
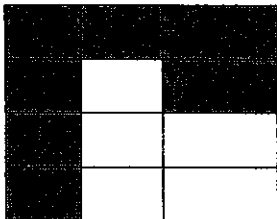


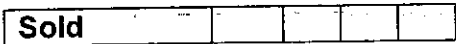

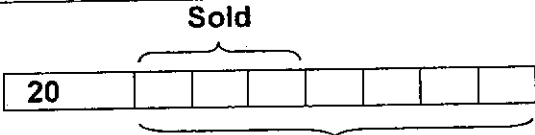


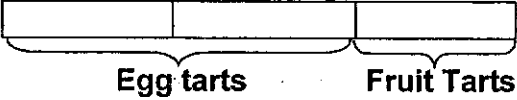
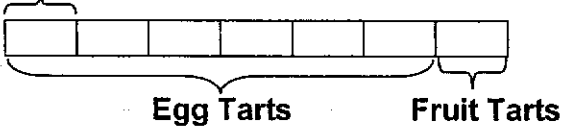
**SCHOOL :** MARIS STELLA HIGH SCHOOL (PRIMARY)  
**LEVEL :** PRIMARY 5  
**SUBJECT :** MATH  
**TERM :** 2021 TERM 2 WEIGHTED ASSESSMENT

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	2	3	1	2	4	3	2	2	3

Q 11	Q12	Q13
4	4	3

Q14)	0.43
Q15)	4 and 6
Q16)	6085
Q17)	<p>Side View</p>  <p>Top view</p> 
Q18)	$300 \div 40 = 7R 20$ $7 + 1 = 8$ Ans: 8 boxes
Q19)	$\frac{1}{2} \times 6 \times 6 = 18$ $18 \times 3 = 54$ $54 + 18 = 72$

	Ans: $72 \text{ cm}^2$
Q20)	$8 \times 8 = 64$ $64 \times 8 = 512$ Ans: $512 \text{ cm}^2$
Q21)	$5 + 8 + 9 = 22$ Ans: 22 unit cubes
Q22)	B : T : W : Total $3 : 2 : 5 : 10$ $2u \rightarrow \$20$ $1u = 20 \div 2 = 10$ $10 \times 10 = 100$ Ans: \$100
Q23)	$25 \times 12 = 300$ $12 + 8 = 20$ $300 \div 20 = 15$ $25 - 25 = 10$ Ans: 10 students
Q24)	Mr Lim <div style="text-align: center;"> <math>780</math>   </div> Mr Tan <div style="text-align: center;"> <math>420</math>   </div> $3u = 780 - 420 = 360$ $1u = 360 \div 3 = 120$ $420 - 120 = 300$ Ans: 300 muffins
Q25)	$14 \div 2 = 7$ $\frac{1}{2} \times 12 \times 14 = 84$ $12 + 10 = 22$ $\frac{1}{2} \times 7 \times 22 = 77$ $22 \times 14 = 308$ $77 + 84 = 161$ $308 - 161 = 147$ Ans: $147 \text{ cm}^2$
Q26)	<div style="text-align: center;">  </div>

	$4u \rightarrow \frac{1}{3}$ of total $4 \times 3 = 12$ $12 - 7 = 5$ $210 \rightarrow 5u$ $1u = 210 \div 5 = 42$ $42 \times 12 = 504$ <b>Ans: 504 apples at first</b>
Q27)	<p>a) <math>1 - \frac{2}{3} = \frac{1}{3}</math>  <b>Ans: <math>\frac{1}{3}</math></b></p> <p>b) Before (Total 270)</p>  <p>After 30</p>  <p> <math>270 \div 3 = 90</math>  <math>90 \times 2 = 180</math>  <math>180 \div 6 = 30</math>  <math>90 - 30 = 60</math>  <b>Ans: 60 fruit tarts</b> </p>

