



**MARIS STELLA HIGH SCHOOL (PRIMARY)**  
**TERM 1 WEIGHTED ASSESSMENT**  
**PRIMARY 6 MATHEMATICS**  
**3 MARCH 2023**

**17 questions**  
**55 marks**  
**Time: 1 h 30 min**

**NAME :** \_\_\_\_\_

**CLASS : PRIMARY 6** \_\_\_\_\_

**INSTRUCTIONS TO CANDIDATES**

1. DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
  2. FOLLOW ALL INSTRUCTIONS CAREFULLY.
  3. ANSWER ALL QUESTIONS.
  4. SHOW YOUR WORKINGS CLEARLY AS MARKS ARE AWARDED FOR CORRECT WORKING.
  5. WRITE YOUR ANSWERS IN THIS BOOKLET.
- YOU ARE **ALLOWED** TO USE A CALCULATOR.

<b>MARKS OBTAINED</b>		
<b>TOTAL</b>	<b>/ 55</b>	<b>Parent's Signature:</b> _____ <b>Date:</b> _____

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

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1. (a) Write down the first common multiple of 4 and 6.
- (b) Write down all the common factors of 15 and 20.

Answer: (a) \_\_\_\_\_

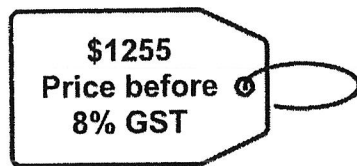
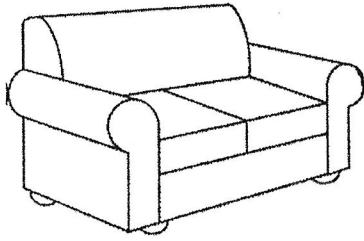
(b) \_\_\_\_\_

2. Serene poured 3000 ml of apple juice into 4 identical bottles. How many litres of apple juice were there in one bottle?

Answer: \_\_\_\_\_ l

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3. Find the amount of GST for the sofa shown. The price shown below does **not** include GST.



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Answer: \$ \_\_\_\_\_

4. Dexter's height is  $\frac{5}{6}$  of Gavin's height. Gavin is 120 cm tall. Find their total height.

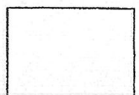
Answer: \_\_\_\_\_ cm

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5. Meiling, Ahmad and Gopal had a total of 162 sweets. The ratio of the number of sweets Meiling had to the number of sweets Ahmad had to the number of sweets Gopal had was 2 : 3 : 4. How many sweets did Gopal have?

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Answer: \_\_\_\_\_



For Questions 6 to 17, show your working clearly in the space below each question and write your answers in the spaces provided. The number of marks available is shown in the brackets [ ] at the end of each question or part-question. (45 marks)

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6. (a) Merry Cafe sold 25 999 ice cream bars last year. Express this number to the nearest ten.
- (b) Use all the digits 3, 4, 5, 6 to form
- (i) the smallest multiple of 2.
  - (ii) the greatest number between 5000 and 6000.

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

(b) (i) \_\_\_\_\_ [1]

(b) (ii) \_\_\_\_\_ [1]

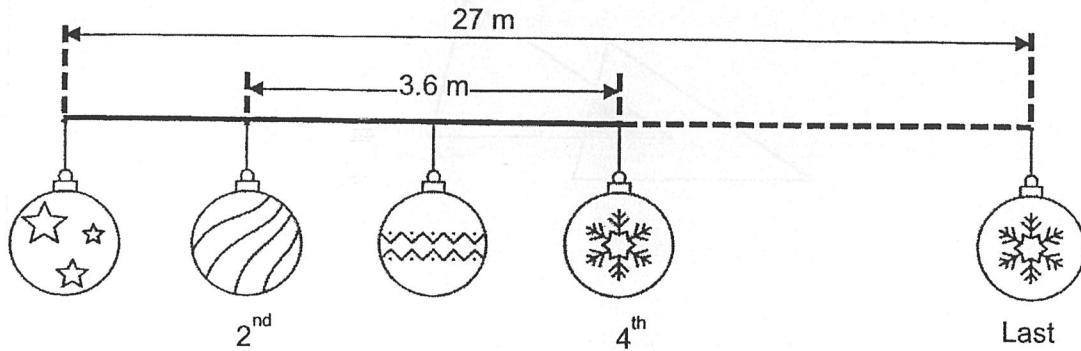
7. Lucas has \$1260 in his bank account. The bank pays him an annual interest of 2.5%. How much money will he have in his bank account after a year if he does not withdraw any of his savings?

Answer: \_\_\_\_\_ [3]

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8. Christmas ornaments were displayed in a straight line at equal distance apart. The distance between the 2<sup>nd</sup> and the 4<sup>th</sup> ornament was 3.6 m. The first ornament and the last ornament was 27 m apart. How many ornaments were there?

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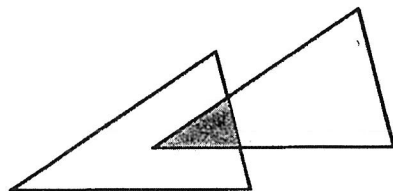
Answer: \_\_\_\_\_ [3]

9. Grace had some money. She spent \$2200 on a watch and  $\frac{1}{5}$  of her remaining money on some books. She had  $\frac{1}{4}$  of her money left. How much money did she have at first?

Answer: \_\_\_\_\_ [3]

10. The figure below shows 2 identical triangles. The shaded area is 18% of each triangle. Find the ratio of the shaded area to the area of the figure.

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Answer: \_\_\_\_\_ [3]

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11. Frank bought 3 more cookies than doughnuts. Each cookie cost \$0.80 and each doughnut cost \$1.40. He spent \$30 less on the cookies than on the doughnuts. How many doughnuts did he buy?

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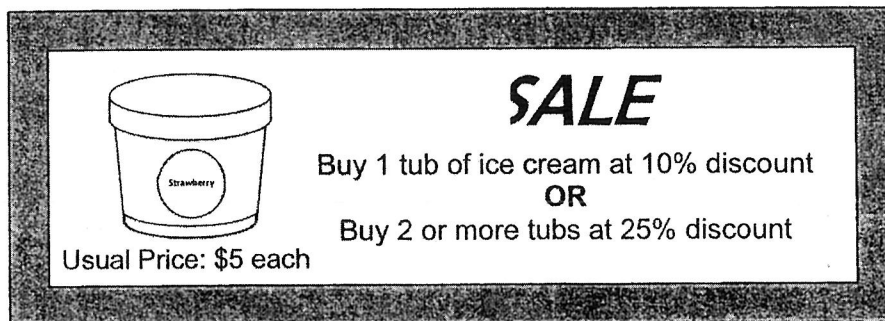
Answer: \_\_\_\_\_ [3]

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12. At a sale, MSHP Supermarket sold tubs of ice cream as shown in the poster below.

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- (a) Nancy bought one tub of ice cream at the sale. How much did she pay?

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

- (b) Charles had \$36. What was the **maximum** number of tubs of ice cream he can buy with \$36?

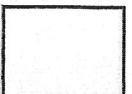
Answer: (b) \_\_\_\_\_ [3]

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13. Tom spent  $\frac{1}{5}$  of his money on 7 notebooks and 4 pens. The cost of each notebook is twice the cost of each pen. He bought some more pens with  $\frac{3}{10}$  of his money. How many pens did he buy altogether?

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Answer: \_\_\_\_\_ [4]



14. Daisy, Eve and Fiona had 720 stickers altogether. Daisy gave 25% of her stickers to Eve and 35% of her stickers to Fiona. In the end, each of the 3 girls had the same number of stickers. What is the difference in the number of stickers Eve and Fiona had at first?

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Answer: \_\_\_\_\_ [4]

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15. Tim bought some cartons of apples and papayas.  
The cost of all the apples was twice that of all the papayas.  
The total cost of the apples and papayas was \$540.

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(a) How much was the cost of the apples?

Answer: (a) \_\_\_\_\_ [2]

The number of cartons of apples Tim bought was  $\frac{3}{5}$  of the number of cartons of papayas bought. Each carton of apples was \$28 more than each carton of papayas.

(b) How many cartons of papayas did he buy?

Answer: \_\_\_\_\_ [3]

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16. There are 836 students in Everland Primary School.  $\frac{7}{10}$  of the boys and  $\frac{7}{8}$  of the girls take the school bus to school. The number of boys who do not take the school bus is twice the number of girls who do not take the school bus. How many girls are there in the school?

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Answer: \_\_\_\_\_ [5]

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17. Adam, Ben and Clive each has some green and red pens.
- In total, Adam has 9 more pens than Ben and Ben has 5 more green pens than Adam.
  - The ratio of the number of red pens Adam has to the number of red pens Ben has is 5 : 3.
  - The ratio of the number of green pens to the number of red pens Clive has is 3 : 1.
- (a) How many red pens do Adam and Ben have altogether?

Do not write in this space.

Answer: (a) \_\_\_\_\_ [3]

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

	True	False	Not possible to tell
Among the three boys, Adam has the most number of pens.			
In total, Clive has an odd number of pens.			

[2]

End of Paper

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