# Republic of the Philippines Department of Education Region VIII Schools Division Office of Biliran

## District of Biliran

#### **HUGPA ELEMENTARY SCHOOL**

Biliran, Biliran

|             |   |                 | COG                         | NITIVE                    | PROC           | ESS D                             | IMENS              | ION            |                       |                                 |   |
|-------------|---|-----------------|-----------------------------|---------------------------|----------------|-----------------------------------|--------------------|----------------|-----------------------|---------------------------------|---|
| CONTENT     | LEARNING<br>COMPETENCY  | CODE            | Re<br>me<br>mb<br>eri<br>ng | U n d e r s t a n d i n g | A p p ly i n g | A<br>n<br>a<br>ly<br>zi<br>n<br>g | E v a l u a ti n g | C r e a ti n g | T<br>o<br>t<br>a<br>I | P<br>e<br>r<br>c<br>e<br>n<br>t | KEY ANSWER  |
| Measurement | 81. visualizes area of a circle.  | M5ME-<br>IVa-72 | 1                           | 2                         |                |                                   |                    |                | 2                     | 5 %                             | 1. B<br>2. D  |
|             | 82. derives a formula in finding the area of a circle   | M5ME-<br>IVa-73 | 3, 4                        |                           |                |                                   |                    |                | 2                     | 5%                              | 3. D<br>4. C  |
|             | 83. finds the area of a given circle.   | M5ME-<br>IVa-74 |                             |                           | 5,6            |                                   |                    |                | 2                     | 5%                              | 5. D<br>6. C  |
|             | 84. solves routine and non-routine problems involving the area of a circle.                                 | M5ME-<br>IVb-75 |                             |                           |                | 7,8                               |                    |                | 2                     | 5%                              | 7. A<br>8. B  |
|             | 85. creates problems involving a circle, with reasonable answers.   | M5ME-<br>IVb-76 |                             |                           |                |                                   |                    | 9              | 1                     | 2.5<br>%                        | 9. A circular rug has a radius of 2.5 m. What is its area? or What is the area of a circular rug with 2.5 m radius? |
|             | 86. visualizes the volume of a cube and rectangular prism.  | M5ME-<br>IVc-77 |                             | 10,<br>11                 |                |                                   |                    |                | 2                     | 5%                              | 10. A<br>11. D  |
|             | 87. names the appropriate unit of measure used for measuring the volume of a cube and a rectangle prism.    | M5ME-<br>IVc-78 | 12,13                       |                           |                |                                   |                    |                | 2                     | 5%                              | 12. D<br>13. B  |
|             | 88. derives the formula in finding the volume of a cube and a rectangular prism using cubic cm and cubic m. | M5ME-<br>IVc-79 | 14,15                       |                           |                |                                   |                    |                | 2                     | 5%                              | 14. B<br>15. C  |

|  |                 |       |           |           |    |   |          | -   |
|--|-----------------|-------|-----------|-----------|----|---|----------|---|
| 89. converts cu. cm to cu. m and vice versa; cu.cm to L and vice versa.  | M5ME-<br>IVd-80 |       | 16,<br>17 |           |    | 2 | 5%       | 16. D<br>17. B  |
| 90. finds the volume of a given cube and rectangular prism using cu. cm and cu. m.   | M5ME-<br>IVd-81 |       | 18,<br>19 |           |    | 2 | 5%       | 18. A<br>19. C  |
| 91. estimates and uses appropriate units of measure for volume.  | M5ME-<br>IVd-82 | 21    | 20        |           |    | 2 | 5%       | 20. C<br>21. D  |
| 92. solves routine and non-routine problems involving volume of a cube and rectangular prism in real-life situations using appropriate strategies and tools. | M5ME-<br>IVe-83 |       | 22        | 23        |    | 2 | 5%       | 22. C<br>23. A  |
| 93. creates problems (with reasonable answers) involving volume of a cube and rectangular prism in real-life situations.                                     | M5ME-<br>IVe-84 |       |           |           | 24 | 1 | 2.5<br>% | 24. An antique wooden chest is in the form of a cube. Its edge measures 5 cm. What is its volume? or An antique wooden chest measures 5 cm on its edge. What is its volume? |
| 94. reads and measures temperature using thermometer (alcohol and/or digital) in degree Celsius.   | M5ME-<br>IVf-85 | 25,26 |           |           |    | 2 | 5%       | 25. C<br>26. B  |
| 95. estimates the temperature(e.g. inside the classroom).  | M5ME-<br>IVf-86 |       | 27        |           |    | 1 | 2.5<br>% | 27. A   |
| 96. solves routine and non-routine problems involving temperature in real-life situations.   | M5ME-<br>IVf-87 |       |           | 28,<br>29 |    | 2 | 5%       | 28. B<br>29. A  |
| 97. creates problems involving temperature, with reasonable answers.   | M5ME-<br>IVg-88 |       |           |           | 30 | 1 | 2.5<br>% | 30. The recorded temperature for seven days were 20 °C, 21 °C, 23 °C, 25 °C, 26 °C, 26 °C, 28 °C. What was the average temperature?   |

| Statistics<br>and<br>Probability | 98. collects data on one to two variables using any source.   | M5SP-I<br>Vg-1.5 | 31 |    |    |    |    | 1 | 2.5<br>% | 31. B   |
|----------------------------------|---|------------------|----|----|----|----|----|---|----------|---|
|                                  | 99. organizes data in tabular form and presents them in a line graph.   | M5SP-I<br>Vg-2.5 |    |    |    | 32 |    | 1 | 2.5 %    | Number of Eggs Sold by Penny in One Week  80  70  10  10  10  10  10  10  10  10  1 |
| Statistics<br>and<br>Probability | 100. interprets data presented in different kinds of line graphs (single to double-line graph).                       | M5SP-I<br>Vh-3.5 |    |    |    | 33 |    | 1 | 2.5<br>% | 33. B   |
|                                  | 101. solves routine and non-routine problems using data presented in a line graph.                                    | M5SP-I<br>Vh-4.5 |    |    |    | 34 |    | 1 | 2.5<br>% | 34. B   |
|                                  | 102. draws inferences based on data presented in a line graph.  | M5SP-I<br>Vh-5.5 |    | 35 |    |    |    | 1 | 2.5<br>% | 35. D   |
|                                  | 103. describes experimental probability.  | M5SP-I<br>Vi-14  |    | 36 |    |    |    | 1 | 2.5<br>% | 36. B   |
|                                  | 104. performs an experimental probability and records result by listing.  | M5SP-I<br>Vi-15  |    |    | 37 |    |    | 1 | 2.5<br>% | 37. C   |
|                                  | 105. analyzes data obtained from chance using experiments involving letter cards (A to Z) and number cards (0 to 20). | M5SP-I<br>Vi-16  | 38 |    |    |    |    | 1 | 2.5<br>% | 38. A   |
|                                  | 106. solves routine and non-routine problems involving experimental probability.                                      | M5SP-I<br>Vj-17  |    |    | 39 |    |    | 1 | 2.5<br>% | 39. B   |
|                                  | 107. creates routine and non-routine problems involving   | M5SP-I<br>Vj-18  |    |    |    |    | 40 | 1 | 2.5<br>% | 40. A grocery store recently sold 12 boxes of fruit juices,                         |

| experimental probability. |     |           |           |         |         |          |          | of which 4 were orange juices. What is the probability that orange juice is picked? |
|---------------------------|-----|-----------|-----------|---------|---------|----------|----------|---|
| TOTAL                     | 12  | 5         | 11        | 8       | 4       | 40       | 100<br>% |   |
| PERCENT                   | 30% | 12.5<br>% | 27.5<br>% | 20<br>% | 10<br>% | 100<br>% |          |   |

Prepared by:

MARY GRACE N. ESCALANTE Teacher 3

### Republic of the Philippines Department of Education Region VIII Schools Division Office of Biliran District of Biliran

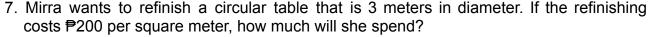
#### **HUGPA ELEMENTARY SCHOOL**

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#### **FOURTH QUARTERLY TEST IN MATHEMATICS 5**

Directions: Answer each question. Choose the letter of the correct answer.

| 1. How many radius are th                               | nere in a circle?                      |  |                              |  |  |  |  |
|---|--|--|------------------------------|--|--|--|--|
|   | A 4                                    | C 6                                    | C 6                          |  |  |  |  |
|   | B 5                                    | D 7                                    |                              |  |  |  |  |
| 2. Which of the following of                            | circle has 2.5 cm rad                  | ii?                                    | D                            |  |  |  |  |
| A (2.5 cm)  | 3 cm                                   | 4 em                                   | 5 cm                         |  |  |  |  |
| <ol><li>Which of the following r<br/>A volume</li></ol> | efers to the number<br>B circumference | of square units conta<br>C perimeter   | ained in a figure?<br>D area |  |  |  |  |
| 4. Which of the following f A πD                        | ormula is used in fin<br>B 2πr         | ding the area of a cir $C \ \pi \ r^2$ | cle?<br>Dπr                  |  |  |  |  |
| 5. What is the area of the                              | circle?                                |  |                              |  |  |  |  |
| 4cm   | A 40 cm <sup>2</sup>                   | C 50.04 cm <sup>2</sup>                | 2                            |  |  |  |  |
|   | B 40.04 cm <sup>2</sup>                | D 50.24 cm <sup>2</sup>                | 2                            |  |  |  |  |
| 6. What is the area of the                              | top surface of the ca                  | in?                                    |                              |  |  |  |  |
| 10 cm   | A 58. 5 cm <sup>2</sup>                | C 78.5 cm <sup>2</sup>                 |                              |  |  |  |  |
|   | B 68.5 cm <sup>2</sup>                 | D 100 cm <sup>2</sup>                  |                              |  |  |  |  |
|   |  |  |                              |  |  |  |  |
| 7 Missa supple to softwick                              | a circular table th                    | ot is 2 motors in di                   | amatar If the rafi           |  |  |  |  |

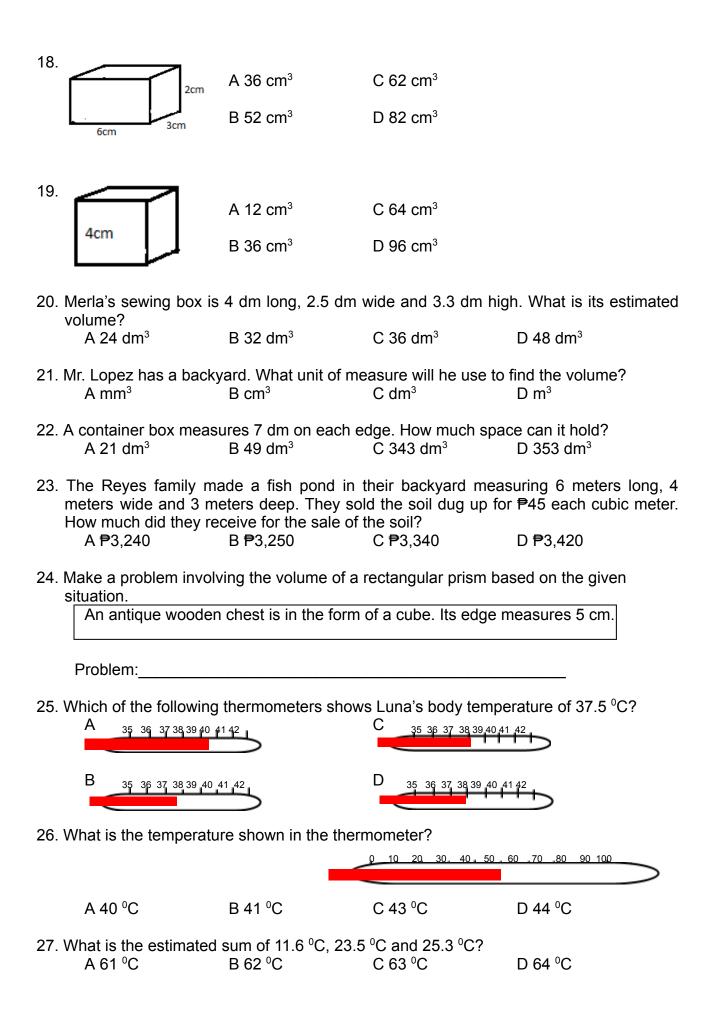


A ₱1,413

B ₱1,505

C ₱1,513 D ₱1,815

| 8. Carlo has a circular wir of the window?  A 4 dm                     | ndow with an area of<br>B 5 dm        | approximately 78.5             | $dm^2$ . What is the radius D 7 dm |  |  |  |  |  |
|--|---------------------------------------|--------------------------------|------------------------------------|--|--|--|--|--|
| A 4 uiii   | D 3 UIII                              | Coun                           | D / dill                           |  |  |  |  |  |
| 9. Create problem involvin circular rug radius – 2.5 Area = ? Problem: | m                                     | ng the given data be           | low.                               |  |  |  |  |  |
| 10 Which of the following  | figures contained 26                  | aubia unita?                   |                                    |  |  |  |  |  |
| 10. Which of the following   | B B                                   | cubic units?                   | D                                  |  |  |  |  |  |
| 11. How many cubic units   | are there in the figure               | e?                             |                                    |  |  |  |  |  |
|  | A 30                                  | C 50                           |                                    |  |  |  |  |  |
|  | B 40                                  | D 60                           |                                    |  |  |  |  |  |
| (12-13) Identify the cub following:                                    | ic unit of measure                    | e that is appropria            | te to be used for the              |  |  |  |  |  |
| A mm³  | B cm³                                 | C dm³                          | D <b>m</b> <sup>3</sup>            |  |  |  |  |  |
| 12. classroom<br>13. book  |                                       |                                |                                    |  |  |  |  |  |
| 14. Which of the following A $\pi D$                                   | formula is use in find<br>Blxwxh      | ling the volume of re<br>Csxs  | ctangular prism?<br>D l x w        |  |  |  |  |  |
| 15. The formula v= s x s x A cone                                      | s is use to find the vo<br>B cylinder | olume of what figure<br>C cube | ?<br>D rectangular prism           |  |  |  |  |  |
| (16-17) Convert the followrect answer.                                 | owing to smaller o                    | or larger unit. Cho            | oose the letter of the             |  |  |  |  |  |
| 16. 8 cm <sup>3</sup> =mm <sup>3</sup><br>A 0.008 mm <sup>3</sup>      | B 80 mm <sup>3</sup>                  | C 800 mm <sup>3</sup>          | D 8000 mm <sup>3</sup>             |  |  |  |  |  |
| 17. 1286 dm³=m³<br>A 0.1286 m³   | B 1.286 m <sup>3</sup>                | C 12.86 m <sup>3</sup>         | D 128.6 m <sup>3</sup>             |  |  |  |  |  |
| (18-19) Find the volume of the following figures.                      |                                       |                                |                                    |  |  |  |  |  |



28. Fe has a fever. Her temperature is 39.5 °C. How much higher is her temperature than the normal body temperature?

A 1.5 °C

B 2.5 °C

C 2.6 °C

D 1.4 °C

29. Mother checked on Tom's body temperature in the morning and found it to be 39.4 °C. In the afternoon, mother checked on him again and his temperature dropped by 1.2 °C. What is Tom's temperature in the afternoon?

A 38.2 °C

B 39.4 °C

C 40.4 °C

D 40.6°C

30. Create a problem involving temperature based on the given situation.

The recorded temperature for seven days were 20 °C, 21 °C, 23 °C, 25 °C, 26 °C, 26 °C, 28 °C.

Problem:

31. Bon and Ben are twins. Their mother, Bonnie kept a record of the twins' weight. At the age of 1 year old, Bon is 8.5 kg while Ben is 8.75 kg. At two, Bon is 12 kg and Ben is 11.9 kg. At three, Bon is 14.8 kg while Ben is 15.2 kg.

What is the weight of the twins at age two?

A Bon is 8.75 kg while Ben is 8.5 kg

C Ben is 12 kg while Bon is 11.9 kg

B Ben is 11.9 kg while Bon is 12 kg D Bon is 14.8 kg

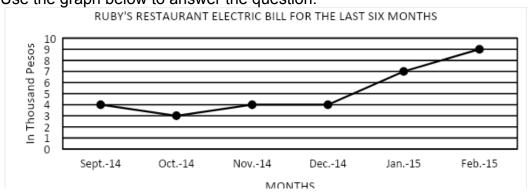
D Bon is14.8 kg while Ben is 15.2 kg

32. Use a line graph to present the data below.

The Number of Eggs Sold by Penny in One Week

| Number of Eggs (in dozen) | Days      |
|---------------------------|-----------|
| 20                        | Sunday    |
| 10                        | Monday    |
| 40                        | Tuesday   |
| 30                        | Wednesday |
| 20                        | Thursday  |
| 50                        | Friday    |
| 70                        | Saturday  |
|                           |           |

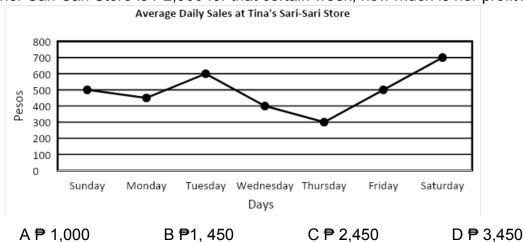
33. Use the graph below to answer the question.



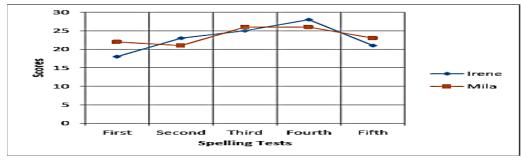
How much is the difference between the highest bill and the lowest bill?  $A \not\supseteq 2000$   $B \not\supseteq 3000$   $C \not\supseteq 6000$   $D \not\supseteq 12000$ 

34. Use the graph below to answer the problem.

Tina owns a Sari-Sari Store she always record her daily sales to know if she earns a profit. The graph shows her daily sales in a certain week. If Tina's total expenses for her Sari-Sari Store is ₱2,000 for that certain week, how much is her profit?



35. The line graph below shows Mila's and Irene's scores in a spelling test of 30 items. Use it to answer the questions that follow.



On which weeks did Irene get a higher score than Mila?

A First and Second Week

C Third and Fourth Week

B Second and Fourth Week

D Second and Fourth Week

36. Jimmy and Naomi are rolling a regular 0-5 number cube. Jimmy wins if 0 is rolled. Naomi wins if 1,2,3,4 or 5 is rolled. Who do you think will win more often?

A Jimmy

B Naomi

C Both of them

D Nobody

37. A bag has 1 blue, 4 green, 2 red and 5 yellow marbles. What is the probability that you get a green marble?

 $A^{\frac{1}{5}}$ 

 $B\frac{1}{4}$ 

 $C\frac{1}{3}$ 

 $D^{\frac{1}{2}}$ 

38. Study the table of chances a letter card was picked for 30trials.

| LETTER IN THE CARD     | NUMBER OF TIMES THE A<br>LETTER WAS PICKED |
|------------------------|--|
| G                      | 4  |
| I                      | 5  |
| L                      | 12   |
| М                      | 3  |
| Α                      | 6  |
| Total Number of Trials | 30   |

| What was the re | esult the letter M wa | is picked? |      |
|-----------------|-----------------------|------------|------|
| A 3             | B 4                   | C 6        | D 12 |

| 39. | In a box containing 4  | red bal   | s, 6  | yellow  | balls, | 5 gre | en | balls, | and | 10 | white | balls, | what |
|-----|------------------------|-----------|-------|---------|--------|-------|----|--------|-----|----|-------|--------|------|
|     | are the chances of pic | cking a v | vhite | e ball? |        |       |    |        |     |    |       |        |      |

 $A^{\frac{1}{5}}$ 

 $B\frac{2}{5}$   $C\frac{3}{5}$ 

 $D \frac{4}{5}$ 

40. Create a problem involving probability out of the given situation.

A grocery store recently sold 12 boxes of fruit juices, of which 4 were orange juices.

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