**MINISTRY OF EDUCATION**

# STANDARD

# LITERACY AND NUMERACY ASSESSMENT (LANA) - 2024

## YEAR 7 NUMERACY

**(Time Allowed: 60 minutes)**

*(An extra 10 minutes is allowed for reading this paper.)*

**INSTRUCTIONS**

1. There are 50 questions in this Assessment. Answer all the questions.
2. For multiple choice questions, circle the best answer of your choice.
3. Write your answers in the space provided in this paper.
4. Do not write in the column, **Scorer Use Only**.
5. Show all working where necessary.
6. Use either pencil or blue/black ink only.

**TO BE COMPLETED BY THE STUDENT.** Please write your details below.

**Surname**: _____**Other Name(s)**: _____

**School Name**: _____

**Student ID**: _____

**Your supervisor can help you with these instructions but will NOT help you answer the questions.**

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## NUMBER and NUMERATION

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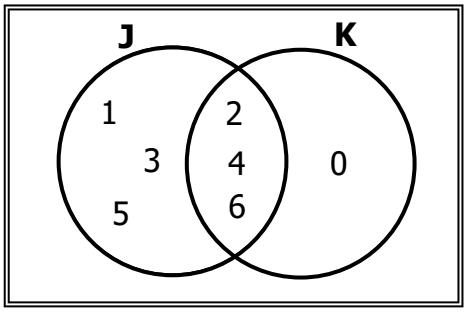
1. Sets **J** and **K** are given below.




**J** ∪ **K** is _____. *Circle the best answer.*

A. {2, 4, 6}

B. {0, 1, 3, 5,}

C. {1, 3, 5}

D. {0, 1, 2, 3, 4, 5, 6}

2. Which of the following is a set of the first four prime numbers? *Circle the best answer.*

A. {1, 3, 5, 9}

B. {2, 3, 5, 7}

C. {3, 4, 11, 13}

D. {2, 3, 8, 11}

3. Round off the given number to the nearest hundred thousand. *Circle the best answer.*

**863,421**

A. 900,000

B. 870,000

C. 860,000

D. 800,000

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4. In a computer game, four students scored the following points.

| | |
|---|---|
| Jone | 25,244 |
| Ani | 25,204 |
| Lee | 25,024 |
| Ria | 25,220 |

Arrange these students' scores from the **biggest** to the **smallest**.

Answer: _____ _____ _____ _____

5. Work out $25.92 \times 100 =$

Answer: _____

6. What is the place value of the underlined digit 796.<u>3</u>1 is. *Circle the best answer.*

A. thousands
B. tenths
C. tens
D. hundredths

*Turn over*

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7. $\frac{3}{4}$ in decimal is

Answer: _____

8. Mary cut her birthday cake into 24 equal pieces and shared $\frac{2}{4}$ of the cake. How many pieces did they share?

Answer: _____ pieces

9. In a library, there are 28,500 books. How many shelves will be needed if 30 books are to be put in one shelf?

Answer: _____ shelves

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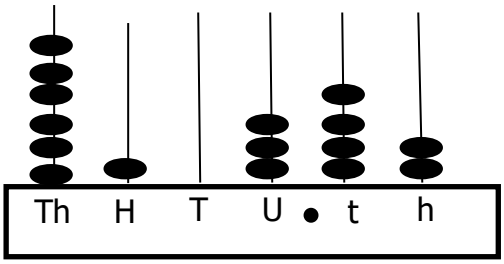
10. The value of the number shown on the abacus is




Answer: _____

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11. Work out $\frac{3}{4} + \frac{4}{7} =$

Answer: _____

12. Sami sold 9 eggs from a dozen. What percentage of the eggs was sold?

Answer: _____%

*Turn over*

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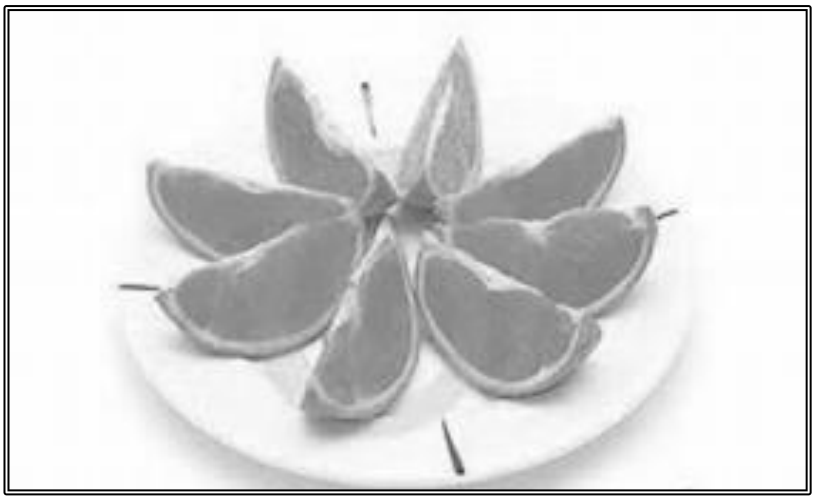
13. $\frac{18}{15}$ as a mixed fraction is

Answer: _____

14. In 2013 there were 1,200 students in a school. In 2014 there was an increase of 15%. How many students attended the school in 2014?

Answer: _____

15. Samu cut an orange in equal pieces as shown below.



His brother ate two pieces. What fraction was not eaten?

Answer: _____

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16. Kissun divided $24,000 equally amongst his 5 children. How much money will each child get?

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Answer: $ _____

Work out the following:

17.

$$\begin{array}{r} 326.63 \\ +\ 469.54 \\ \hline \\ \hline \end{array}$$

Answer: _____

18.

$$\begin{array}{r} 4287 \\ \times\ \ 83 \\ \hline \\ \hline \end{array}$$

Answer: _____

*Turn over*

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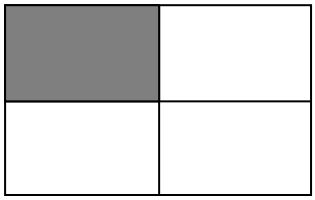
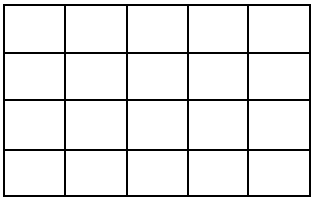
19. Wendy shaded ¼ of rectangle **A**. What fraction of rectangle **B** would Nisha shade to make it an equivalent fraction? *Circle the best answer.*



**A**



**B**

A. $\frac{4}{20}$

B. $\frac{6}{20}$

C. $\frac{5}{20}$

D. $\frac{10}{20}$

20. Work out | 36.92 x 1000 = |

A. 36. 92000

B. 36,920

C. 0. 03692

D. 3,692

21. Sheila had $35.95 and her father gave her $19.35 more. How much money does she have altogether?

Answer: $ _____

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## ALGEBRA

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22. 5 + 5 + 5 + 5 + 5 + 5 can be represented as_____. *Circle the best answer.*

A. 5 x 6 B. 6 - 5

C. 5 + 6 D. 5 ÷ 6

23. Which number in the set below breaks the pattern?

{ 45, 50, 55, 60, 63, 65, 70 }

Answer: _____

24. Singh is twice as tall as Tomasi. If Tomasi is 95 cm in height, how tall is Singh?

Answer: _____ cm

*Turn over*

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25. Find the value of $x$ in the following equation.

$$2x + 5 = 25$$

Answer: _____

26. The rule of the number machine shown below is $\boldsymbol{r} = 2\boldsymbol{i} + 4$.

| $\boldsymbol{i}$ | $\boldsymbol{r}$ |
|---|---|
| 0 | 4 |
| 3 | 10 |
| 5 | 14 |
| ? | 20 |

If the output number is 20, the input ($\boldsymbol{i}$) number would be _____.
*Circle the best answer.*

A. 6 B. 8

C. 16 D. 44

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## MEASUREMENT

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27. 8,126 mm when changed to metres is _____. *Circle the best answer.*

A. 812.6 m
B. 81.26 m
C. 8.126 m
D. 0.8126 m

28. How many 10L buckets will fill a 200L tank?

Answer: _____ buckets

29. Paul bought 450 grams of sugar. How many more grams are needed to make 1 kilogram?

Answer: _____ grams

*Turn over*

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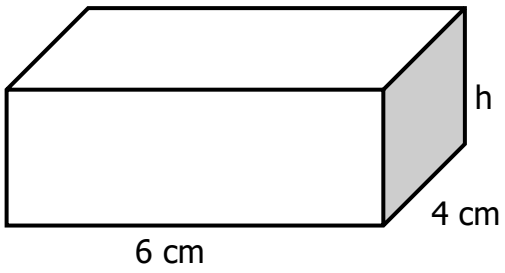
30. Refer to the table below to answer the question.

| Names | Weight (kg) |
|---|---|
| Ana | 64.5 |
| Raj | 67.3 |
| Ali | 67.3 |
| Yee | 59.2 |

Calculate the average weight of the four students.

Answer: _____ kg

31. The volume of the prism shown below is 72cm³. What is the height of the prism? *Circle the best answer.*




A. 2 cm

B. 3 cm

C. 4 cm

D. 5 cm

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32. The weight of a bag of fruit is 1.5 kg. This is equivalent to _____.
*Circle the best answer.*

A. 1.5 g
B. 150 g
C. 15 g
D. 1,500 g

33. What is the time at midnight using **am** or **pm**?

Answer: _____

34. What percentage of $2,700 is $900?

Answer: _____%

35. Joy weighed 98 kilograms. After 6 weeks of training she lost 12 kilograms. What is her new weight?

Answer: _____ kg

*Turn over*

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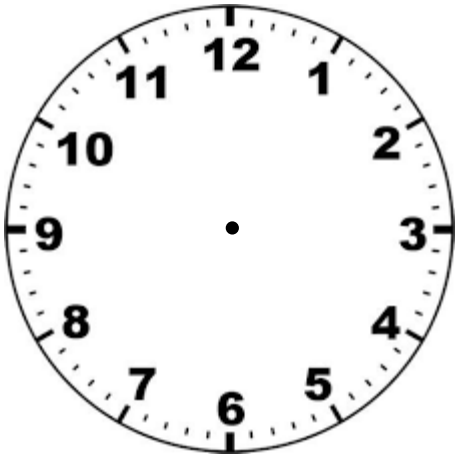
36. Show that the time is 5 minutes to nine on the clock given below.




37. Ram had 12.7 kg of vegetables. He then bought the following:



750 g



2 kg



1.5 kg

How many kilograms of vegetables does he have altogether? *Circle the best answer.*

A. 4.25 kg

B. 16.95 kg

C. 8.45 kg

D. 767 kg

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38. How many 200 g weights are needed to balance the scale? *Circle the best answer.*




A. 10

B. 20

C. 202

D. 400

39. Study the calendar given below to answer the question.

| DECEMBER 2024 | | | | | | |
|---|---|---|---|---|---|---|
| Sun | Mon | Tues | Wed | Thu | Fri | Sat |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

What was the last day of November, 2024? *Circle the best answer.*

A. Sunday

B. Friday

C. Saturday

D. Wednesday

*Turn over*

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40. A bucket can hold 5 litres of water. How many **half** litres of water do you need to make it full?

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Answer: _____

41. Aman obtained a loan of $10,000 from a bank. The bank charges interest of 12% per annum. What is the total amount to be repaid by him after one year?

Answer: $_____

42. The table below shows the daily timetable of a school.

| **Time** | **Activities** |
|---|---|
| 8.00 - 8.30 | Devotion |
| 8.30 - 10.30 | Morning Lesson |
| 10.30 - 10.45 | Recess |
| 10.45 - 12.00 | Lesson |
| 12.00 - 1.00 | Lunch |
| 1.00 - 2.30 | Afternoon Lesson |
| 2.30 - 2.50 | Duties |
| 2.50 - 3.00 | Dismissal |

How long is the lesson after lunch? *Circle the best answer.*

A. 1 hour 15 minutes

B. 1 hour 30 minutes

C. 1 hour 45 minutes

D. 2 hours 30 minutes

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43. $\frac{1}{5}$ of \$50 =

Answer: \$_____

## GEOMETRY

44. Which of the following is a ray? *Circle the best answer.*

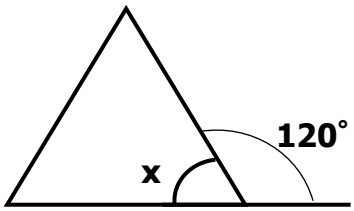
A. 

B. 

C. 

D. 

45. The value of angle marked ***x*** is




Answer: _____°

*Turn over*

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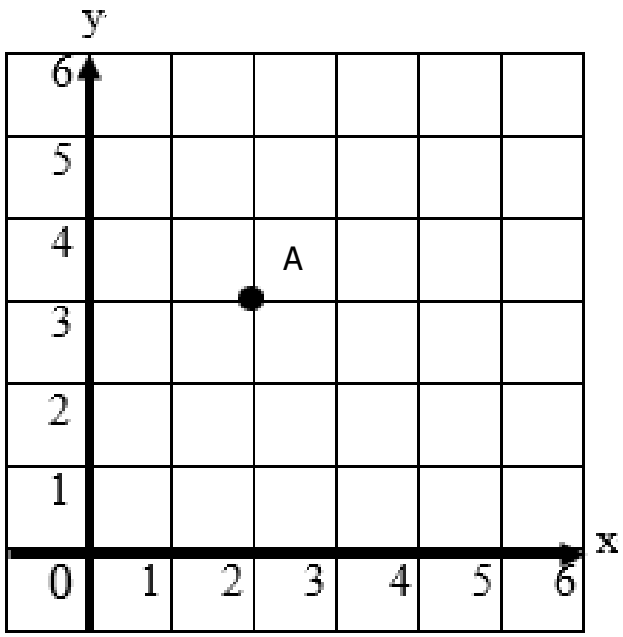
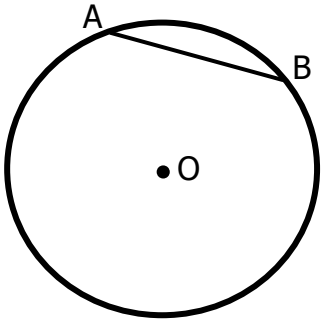
46. Point A is shown below.




What are the coordinates of point A?

Answer: _____

47. In the circle given below, line AB represents




Answer: _____

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## CHANCE AND DATA

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48. The table below shows the amount of rainfall (mm) for various towns.

| Town | Rainfall (mm) |
|---|---|
| Suva | 19 |
| Savusavu | 15 |
| Nadi | 15 |
| Lautoka | 7 |
| Labasa | 4 |

Which town recorded the least amount of rainfall? *Circle the best answer.*

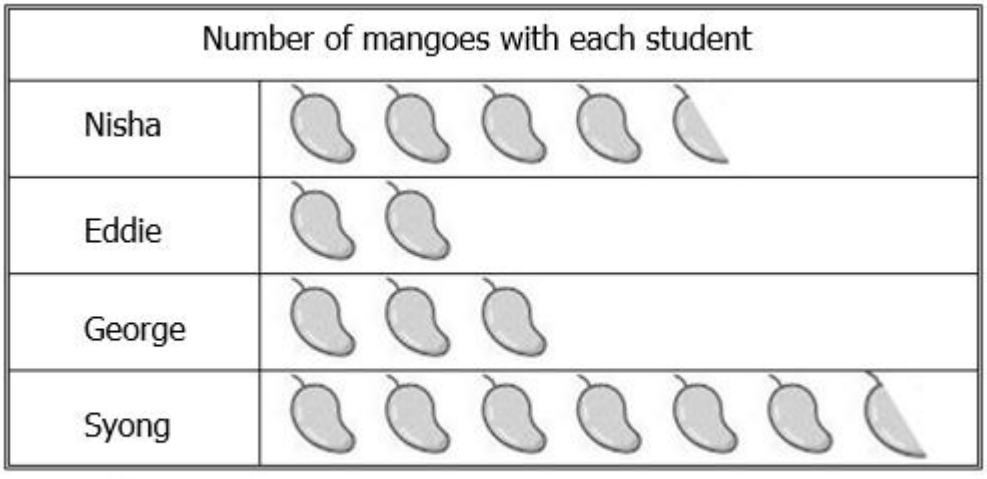
A. Suva

B. Nadi

C. Labasa

D. Lautoka

49. Use the pictograph to answer the Question below.




**Each**  **= 2 mangoes**

How many mangoes did Syong have?

Answer: _____ mangoes

*Turn over*

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50. The bar graph below shows the number of students who arrived early to class in a week.

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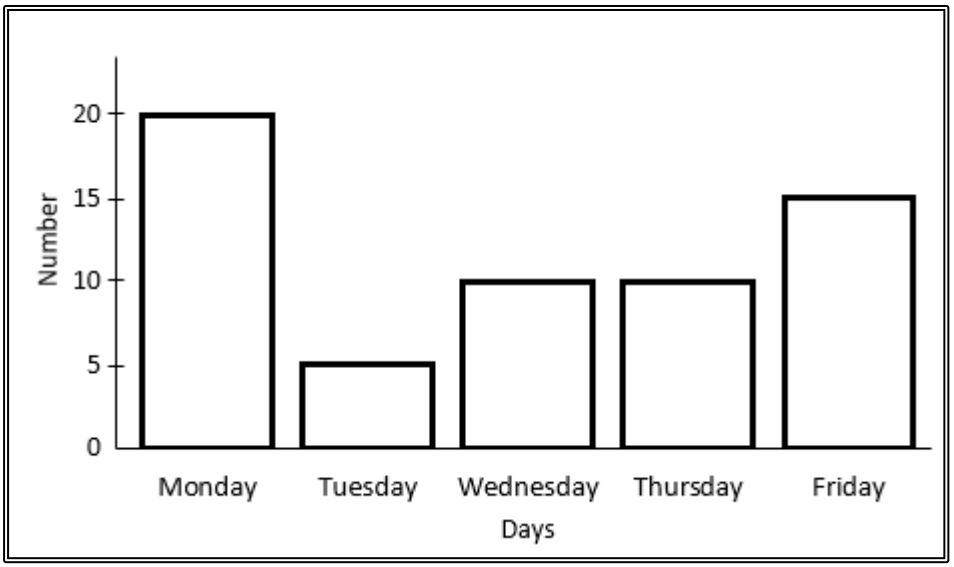


On which day did most students **arrive late** to class?

Answer: _____

**THE END**



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