MINISTRY OF EDUCATION

LITERACY AND NUMERACY ASSESSMENT (LANA) - 2023

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, only 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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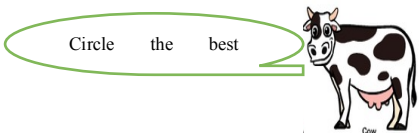
1. Which of the following is a prime number?



A. 36 B. 37

C. 39 D. 32

2. Set X = {2, 4, 6, 8, 10} and Set Y = {1, 3, 5, 7, 9, 11}

What is X ∩ Y?

A. { } B. {2, 4, 6, 8, 10}

C. {1, 3, 5, 7, 9, 11} D. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11}

3. Which property is shown in the number sentence below?

$$2 + (3 + 4) = (2+3) + 4$$

A. Associative property of addition.

B. Associative property of multiplication.

C. Distributive property of addition.

D. Distributive property of multiplication.

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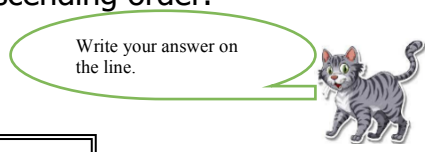
4. Arrange the given decimal numbers in ascending order.



4.3, 8.8, 6.1, 2.2, 3.8

Answer: _____, _____, _____, _____, _____.

5. Arrange these fractions in descending order.

$\frac{2}{5}$, $\frac{1}{2}$, $\frac{3}{10}$, $\frac{8}{10}$, $\frac{9}{10}$

Answer: _____, _____, _____, _____, _____.

Work out the following:

6. $\frac{62}{9} + \frac{1}{3} =$

Answer:_____

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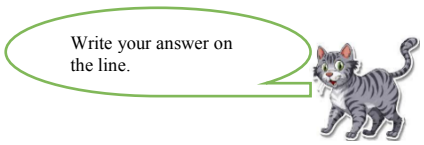
7. $\frac{1}{6} \times \frac{1}{3} =$



Answer:_____

8. Work out $\frac{1}{5}$ of 25

Answer:_____

9. 243 + 654 =

Answer:_____

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10. Out of 18, 797 children in a district in a year, 6, 989 do not attend school. How many children attended school?

Circle the best



A. 25, 786 B. 25, 688

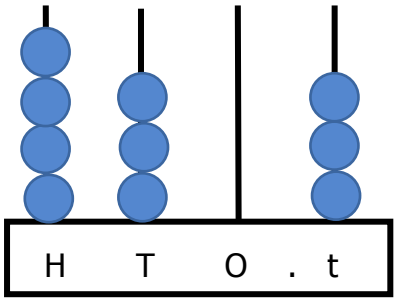
C. 11, 880 D. 11, 808

11. $2.50 \times 0.6 =$

A. 150 B. 15

C. 1.50 D. 0.15

Use the given diagram to answer the question.



12. What is the value of the number shown on the abacus?

Write your answer on the line.



Answer: _____

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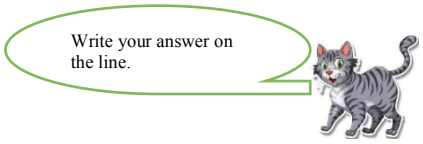
13. $\frac{9}{15} - \frac{2}{15} =$



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Answer:_____

Write **T** for True or **F** for False for **Questions 14 – 15.**

14. 3,235 × 23 = 74,405

Answer:_____

15. 2 + -6 = 4

Answer:_____

16. Write as a decimal.

$\frac{5}{10}$

Answer:_____

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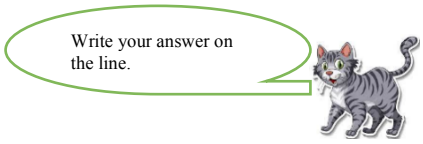
17. Round off 4,843 to the nearest tens.



Answer:_____

18. List factors of 30.

Answer:_____

19. Write 16, 851 in words.

Answer:_____

_____

20. Simplify $\frac{18}{15}$ to a mixed fraction.

Answer:_____

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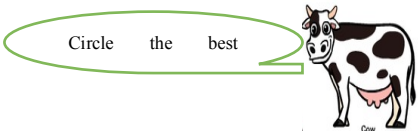
21. The place value of the underlined digit is

456.12<u>4</u>



A. ones B. tens

C. hundredths D. thousandths

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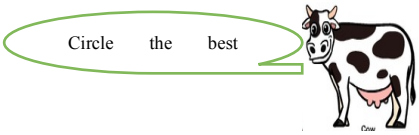
ALGEBRA

22. What is the rule for the number pattern below?

2, 4, 8, 16, 32, 64.....



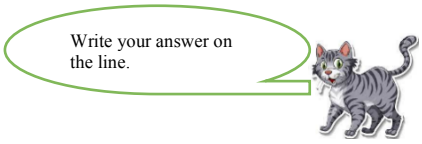
A. Add 2

B. Multiply by 2

C. Add 2 and multiply by 2

D. Multiply by 2 and add 4

23. The school canteen sold 6 cartons of juice cans. Each carton has 30 cans of juice. How many cans were sold altogether?



Answer: _____cans

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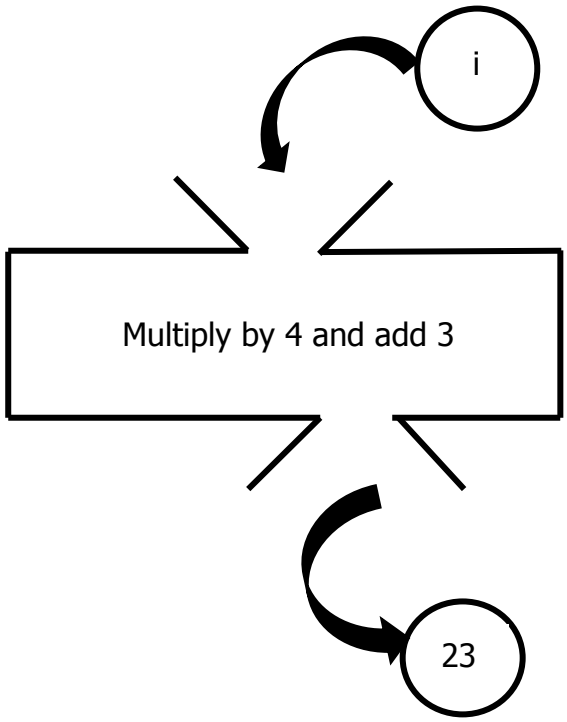
24.



If the output is 23, the input(i) would be

Circle the best answer.



A. 104 B. 5

C. 95 D. 20

25. Tom had 6 books and bought some more. Now he has 12 books altogether. Write a number sentence that will show the total number of books he has?

Write your answer on the line.



Answer: _____

26. Complete the pattern.

1, 4, 9, 16, _____, _____, _____.

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MEASUREMENT

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27. The temperature at noon on a sunny day would be



A. quite warm. B. very warm.

C. cool. D. very cool.

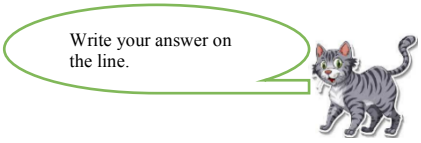
28. Mr. Naca bought these items a TV for $2, 948.00, an exercise machine for $10, 308.00 and a fridge for $3, 780.00. How much did he pay for all the items?



A. $15, 926.00 B. $17, 036.00

C. $25, 936.00 D. $77, 588.00

29. A piece of timber 24.16 m was cut into 8 equal parts. What is the length of one part?



Answer: _____m

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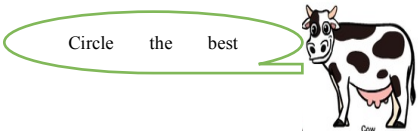
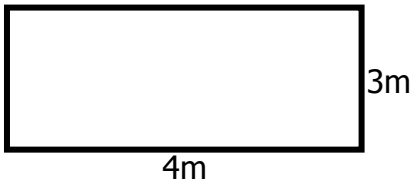
30. A farmer wants to fence his garden which is in the shape of a rectangle. What is the length of the fencing wire the farmer will use?





A. 7m B. 12m

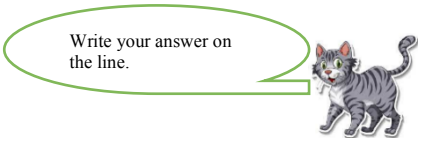
C. 14m D. 24m

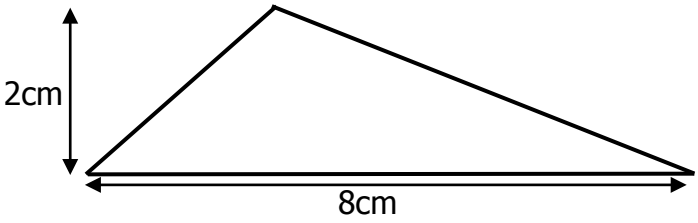
31. The deposit on a $350 guitar is 50%. How much is the deposit?

A. $7 B. $35

C. $175 D. $700

32. Calculate the area of the triangle below.





Answer:_____cm^2

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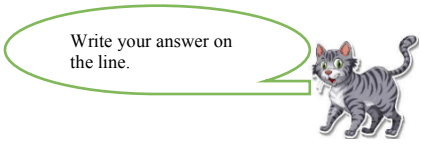
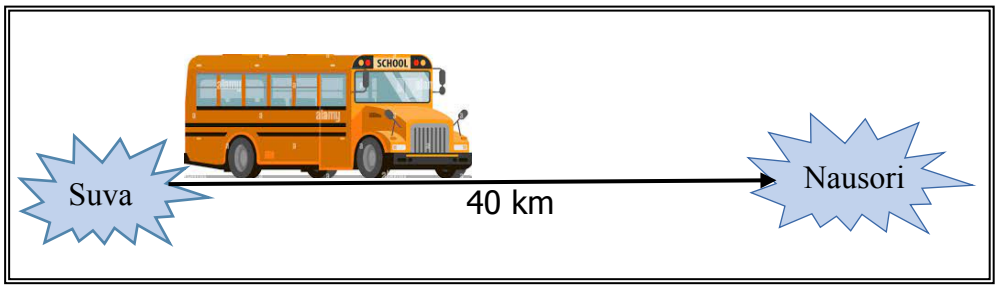
33. The distance between Suva and Nausori is 40 km. If a bus travels at 80 km/hr, how long will the bus take to travel from Suva to Nausori?





Answer: _____

34. We filled 200 litres of fuel into the boat fuel tank. How many litres of fuel was used if a quarter $\left(\frac{1}{4}\right)$ remained in the tank?

Answer: _____litres

35. Joe took a loan of $2,000 at a rate of 10% for 2 years. Find the Simple Interest earned.

Answer: $ _____

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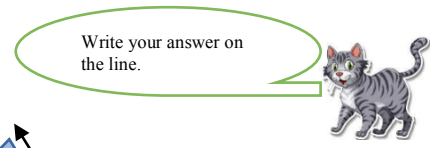
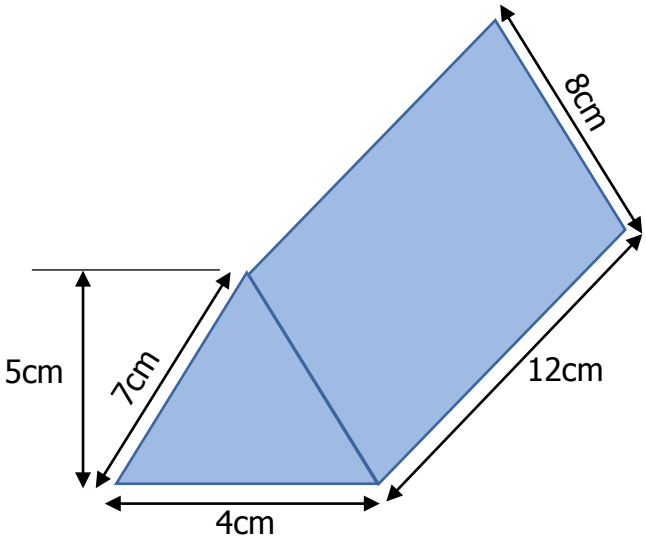
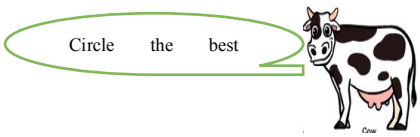
36. Calculate the volume of the triangular prism shown below.





Answer: _____cm^3

37. Mere was given $5.00 for her spending. She spent $3.00 on snacks. What percentage of the money was spent on snacks?



A. 2% B. 3%

C. 40% D. 60%

38. If 30th October falls on a Wednesday, what is the date of the first Saturday of November?

A. 1st November B. 2nd November

C. 3rd November D. 4th November

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39. How many days are there in a fortnight?

Circle the best



A. 7 B. 12

C. 14 D. 30

40. Bimla went to a theatre to watch a movie. She went in at 2.15pm and watched a full 3 hour movie with a 15 minute interval. What time did she come out of the theatre?

Write your answer on the line.



Answer: _____

41. If I buy a tent for $75.00 and sell it for $100.00, how much profit did I earn?

Answer: $_____

42. What is $\frac{1}{5}$ of $500.00?

Answer: $_____

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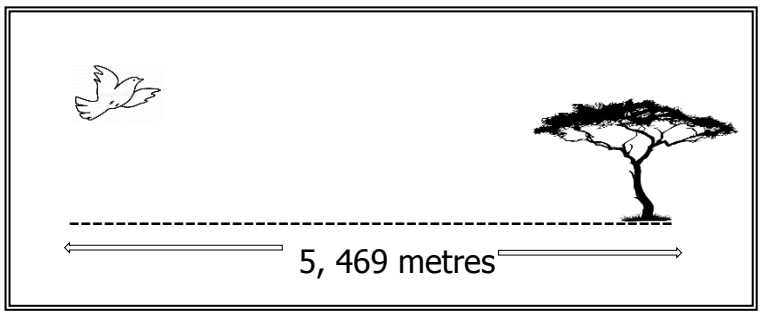
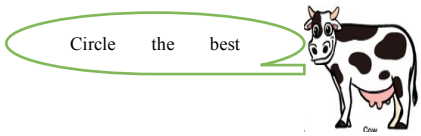
43. A bird flew 5, 469 metres and rested on a tree.



5, 469 metres is the same as _____kilometres.

GEOMETRY

44. Which of the statements given below best describes the property of a ray?



A. It has two end points.

B. Neither has a start or end point.

C. It starts at a given point and travels in one direction only.

D. Always same distance apart and will never meet.

45. Draw a scalene triangle in the space below.

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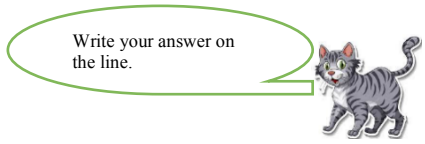
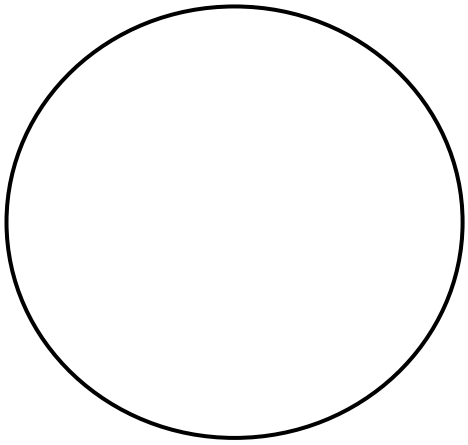
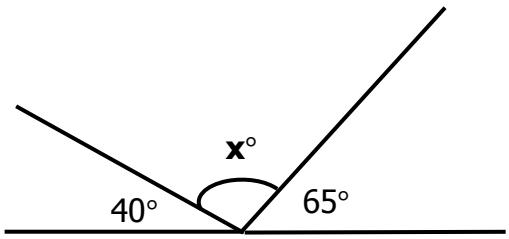
46. Draw a chord in the circle given below.





47. Find the missing angle **x**°



Answer: _____

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CHANCE and DATA

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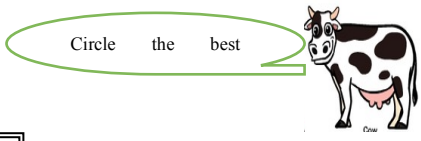
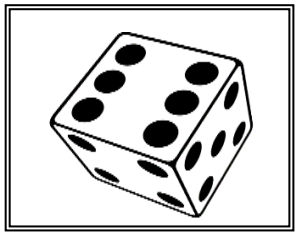
48. Jennifer rolled a die once. What is the probability of getting a 6?



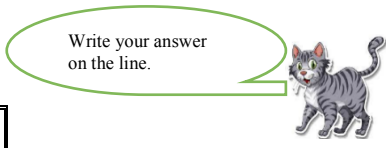


Source: https://clipartcraft.com/

A. $\frac{1}{6}$ B. $\frac{2}{6}$

C. $\frac{3}{6}$ D. $\frac{6}{6}$

49. Anisha scored the following marks in a short test. Calculate her average marks.



Subjects	Marks
Maths	84
English	78
Social Science	86
Basic Science	75
Healthy Living	93

Answer: _____

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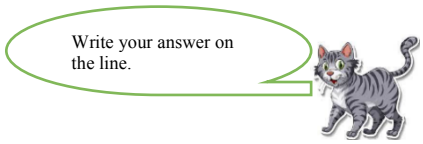
50. Use the table below to answer the question.

Students	Favourite Fruit
James	Orange, Banana, Guava
Lily	Apple, Guava, Banana
Chung	Banana, Pineapple, Watermelon
Loriza	Mango, Strawberry, Banana

The favourite fruit for the students is



Answer: _____

THE END

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