

MINISTRY OF EDUCATION

LITERACY AND NUMERACY ASSESSMENT (LANA) 2022

YEAR 7 NUMERACY ASSESSMENT

(Time Allowed: 60 minutes

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

There are sixty questions in this Assessment. Answer all the questions.

INSTRUCTIONS:

1. Write your name and school in the boxes at the top of your Answer Sheet.
2. On your **Answer Sheet**, draw a cross in the box next to the letter of the **best** answer.
For example, if you select B as your answer, you should draw a cross in the box next to the letter B.

33	A	<input type="checkbox"/>	B	<input checked="" type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
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3. If you change your mind, shade out your answer as shown, and place a cross in the box for your new answer.

33	A	<input type="checkbox"/>	B	<input checked="" type="checkbox"/>	C	<input checked="" type="checkbox"/>	D	<input type="checkbox"/>
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4. If you change your mind again and like your first answer better, shade out your second answer and tick (✓) your first answer.

For example:

33	A	<input type="checkbox"/>	B	<input checked="" type="checkbox"/>	C	<input checked="" type="checkbox"/>	D	<input type="checkbox"/>
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5. If your cross is too big for the box, or if you draw a circle, your answer will be marked wrong.

cross is too big

32	A	<input type="checkbox"/>	B	<input checked="" type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
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circles are not to be used

34	A	<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
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Your supervisor or teacher can help you with these instructions but will NOT help you answer the questions.

2.

1. $\frac{1}{3}$ of \$60.00 is
 - A. \$30.00
 - B. \$20.00
 - C. \$10.00
 - D. \$40.00

2. 6,278 rounded off to the nearest thousands is
 - A. 6,000
 - B. 6,002
 - C. 6,007
 - D. 6,008

3. 25% of 2 kg is
 - A. 50 kg
 - B. 5 kg
 - C. 500 g
 - D. 50 g

4. 50% of \$1000.00
 - A. \$0.50
 - B. \$5.00
 - C. \$50.00
 - D. \$500.00

5. $\frac{7}{10}$ expressed as a percentage is
 - A. 70%
 - B. 7%
 - C. 0.7%
 - D. 0.07%

6. Which of the following is a prime number?
 - A. 144
 - B. 121
 - C. 101
 - D. 96

7. Calculate the following:

$$2^3 + 3^4 =$$

A. 89

B. 99

C. 109

D. 119

8. Mr Atu has 49 cows and sold 21. What fraction of the cows did he sell?

A. $\frac{28}{49}$

B. $\frac{21}{28}$

C. $\frac{4}{7}$

D. $\frac{3}{7}$

9. Simplify $\frac{24}{75}$

A. $\frac{12}{75}$

B. $\frac{3}{15}$

C. $\frac{8}{25}$

D. $\frac{12}{25}$

10. $\frac{29}{6}$ as a mixed number is

A. $2\frac{9}{6}$

B. $3\frac{11}{6}$

C. $4\frac{11}{6}$

D. $4\frac{5}{6}$

11.



What percentage of the bar graph is shaded?

A. 10%

B. 20%

C. 80%

D. 90%

12. The smallest fraction from the set below is;

$$\frac{1}{2}, \frac{2}{12}, \frac{3}{4}, \frac{6}{24}$$

A. $\frac{6}{24}$

B. $\frac{2}{12}$

C. $\frac{3}{4}$

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

13. Change $\frac{2}{25}$ to percentage.

A. 2%

B. 8%

C. 20%

D. 80%

14.

$$\frac{2}{3} + \frac{3}{12} =$$

A. $\frac{2}{12}$

B. $\frac{5}{12}$

C. $\frac{11}{12}$

D. $2\frac{1}{12}$

15.

$$6.46 + 0.88 =$$

A. 6.34

B. 7.34

C. 8.34

D. 73.4

16.

$$38.7 \div 10 =$$

A. 0.3870

B. 3.87

C. 38.70

D. 387

5.

17. $3.7 - 2.8 =$

A. 0.8

B. 0.9

C. 1.9

D. 2

18. $24.102 - 22.96 =$

A. 1.142

B. 11.42

C. 114.2

D. 1,142

19. $53.66 \times 10 =$

A. 5.366

B. 536.6

C. 53.660

D. 530.66

20. If 6 truck tyres cost \$2,544.00, how much will 1 tyre cost?

A. \$15,264.00

B. \$424.00

C. \$42.40

D. \$4.24

21. $\frac{5}{20}$ written as a decimal is

A. 0.25

B. 0.50

C. 0.52

D. 5.20

22. Five men each planted 1,375 coconut plants in one week. How many coconut plants were planted altogether?

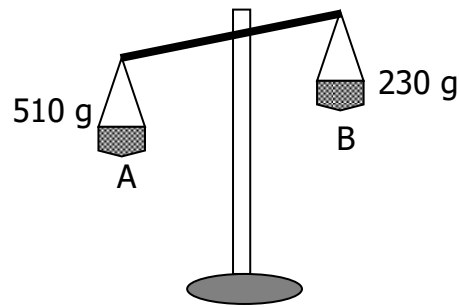
A. 1,380

B. 1,382

C. 6,875

D. 9,625

Use the diagram below to answer **Question 34**.



34. How many grams are you going to add on to B to balance the weight in A?

- | | |
|----------|----------|
| A. 740 g | B. 230 g |
| C. 510 g | D. 280 g |

35. Calculate the total weight of the objects.

Soap – 750 g

Milk – 500 g

Flour – 410 g

Sugar – 340 g

- | | |
|------------|------------|
| A. 2,000 g | B. 1,950 g |
| C. 1,500 g | D. 1,160 g |

36. What is the correct unit for the volume of water in a cup?

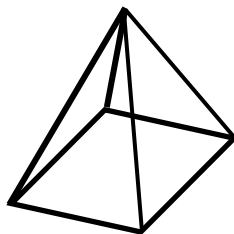
- | | |
|------------------|-----------------|
| A. l | B. ml |
| C. cm^3 | D. m^3 |

46. Sera bought the following items from the shop:

Ice cream \$1.50	Ruler 50c	Exercise Book \$1.00	Chocolate Bar \$2.50
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What change will she get if she gave the shopkeeper a \$10 note?

- A. \$4.00
B. \$4.50
C. \$5.50
D. \$15.50
47. The temperature on Sunday was 67°F . On Monday it was 78°F . How much did the temperature increase between Sunday and Monday?
- A. 9°F
B. 11°F
C. 19°F
D. 145°F
48. Twenty four degrees Celsius is also written as
- A. 24°C
B. 24C°
C. 24 DC
D. 24 C
49. Which statement below is true for acute angles?
- A. Equal to a right angle.
B. Bigger than a right angle.
C. Bigger than 2 right angles.
D. Smaller than a right angle.
50. The number of edges in a square pyramid is _____



- A. 12
B. 8
C. 5
D. 4

58. The average number of students in these four classes is

Year	Class Roll
701	9
702	11
703	12
704	8

A. 4

B. 8

C. 10

D. 40

59. If $4y + 8 = 20$, then $y = ?$

A. 28

B. 12

C. 5

D. 3

60. The value of x in the puzzle is

2	8	16
6	10	60
x	80	960

A. 26

B. 12

C. 8

D. 4

THE END