MINISTRY OF EDUCATION

LITERACY AND NUMERACY ASSESSMENT (LANA) 2022

YEAR 5 NUMERACY ASSESSMENT

Time Allowed: 60 minutes
(An extra 10 minutes is allowed for reading this paper.)

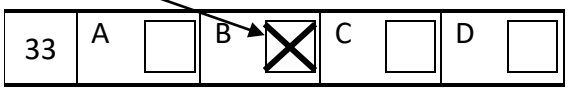
There are fifty questions in this Assessment. Answer <u>all</u> the questions.

<u>INSTRUCTIONS:</u>

1. Check that your name is printed at the top of your Answer Sheet, and that it is correct.

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.



3. If you change your mind, shade out your answer as shown, and place a cross in the box for your new answer.



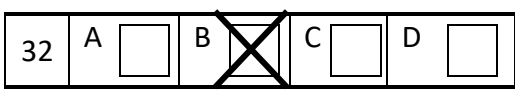
4. If you change your mind again and like your first answer better, shade out your second answer and tick (✓) your first answer.

   For example:

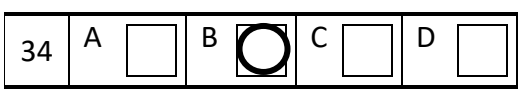


5. If your cross is too big for the box, or if you draw a circle, your answer will be marked <u>wrong</u>.

cross is too big



circles are not to be used



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

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1. 19.5 to the nearest tens is

   A. 18 B. 19

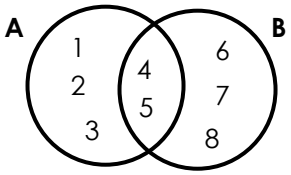
   C. 20 D. 21

2. Which of the following is a prime number?

   A. 144 B. 121

   C. 101 D. 96

3. Use the diagram below to answer the question.



   A U B is

   A. [4, 5] B. [1, 2, 3]

   C. [1, 2, 3, 4, 5] D. [1, 2, 3, 4, 5, 6, 7, 8]

4. 6,278 rounded off to the nearest thousands is

   A. 6,000 B. 6,002

   C. 6,007 D. 6,008

5. What are the prime factors of 50?

   A. (5, 10) B. (2, 5, 5)

   C. (2, 25) D. (1, 50)

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6. 7777, 3333, 5555, 1111

Arrange the numbers above in **descending** order.

A. 7777, 5555, 3333, 1111
B. 1111, 7777, 5555, 3333
C. 5555, 3333, 1111, 7777
D. 3333, 1111, 7777, 5555

7. 3228, 3128, 3028, 3328

In **ascending** order numbers arranged would be

A. 3028, 3128, 3228, 3328
B. 3128, 3228, 3028, 3328
C. 3228, 3128, 3328, 3028
D. 3328, 3228, 3128, 3028

8. $\frac{1}{2}$ is equal to

A. $\frac{2}{4}$
B. $\frac{2}{3}$
C. $\frac{2}{5}$
D. $\frac{2}{6}$

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

A. $\frac{2}{5}$
B. $\frac{8}{15}$
C. $\frac{8}{25}$
D. $\frac{12}{25}$

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

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11. The equivalent fraction of $\frac{4}{12}$ is

A. $\frac{1}{3}$ B. $\frac{1}{4}$

C. $\frac{1}{5}$ D. $\frac{1}{6}$

12. $\frac{1}{3} + \frac{1}{5} =$

A. $\frac{2}{8}$ B. $\frac{1}{8}$

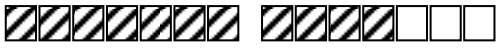
C. $\frac{1}{15}$ D. $\frac{8}{15}$

13. $1\frac{3}{5}$ when changed into an improper fraction is

A. $\frac{8}{5}$ B. $\frac{9}{5}$

C. $\frac{15}{5}$ D. $\frac{16}{5}$

14. The shaded part of the diagram below shows



A. $\frac{2}{3}$ B. $\frac{11}{3}$

C. $\frac{3}{7}$ D. $\frac{11}{7}$

15. $38.7 \div 10 =$

A. 0.3870 B. 3. 87

C. 38. 70 D. 387

16. 24.102 – 22.96 =

A. 1.142
B. 11.42
C. 114.2
D. 1,142

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

A. 0.25
B. 0.50
C. 0.52
D. 5.20

18. 6.46 + 0.88 =

A. 6.34
B. 7.34
C. 8.34
D. 73.4

19. 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

20. 53.66 x 10 =

A. 5. 366
B. 536. 6
C. 53. 660
D. 530. 66

21. 3.7 – 2.8 =

A. 0.8
B. 0.9
C. 1.9
D. 2.0

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22. 1,251,974 – 390,467 =

A. 861,513 B. 861,517

C. 861,507 D. 851,507

23. Tomasi scored 57, 45, 55 and 43 in his test. His average marks is

A. 800 B. 200

C. 196 D. 50

24. What is 5,000 less than 10,500?

A. 5,000 B. 5,500

C. 10,000 D. 15,000

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

A. 2% B. 8 %

C. 20% D. 80 %

26. What is the place value of the underlined digit?

3,648

A. 3,000 B. 300

C. 30 D. 3

27. Ten trucks each carried a cargo of 896.7 kg. What is the total weight of the cargoes?

A. 8,967 kg B. 89.67 kg

C. 8.967 kg D. 89,670 kg

28. A total weight of 1,224 kg of apples was distributed into 8 crates. What is the weight of apples in each crate?

A. 1,232 kg
B. 153 kg
C. 1,216 kg
D. 9,792 kg

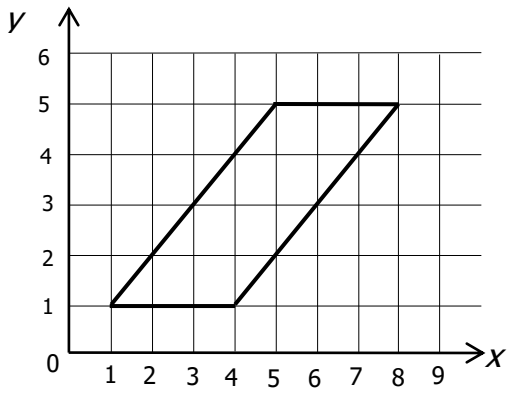
29. Peni measured the length of some items as written below:

Book 20 cm
Table 80 cm
Duster 10 cm

What would be the total length of the items in metres?

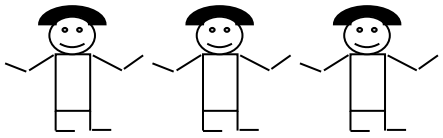
A. 11.0 m
B. 10.1 m
C. 1.10 m
D. 1.01 m

30. Find the area of the shape below.



A. 6
B. 7
C. 8
D. 12

31. The diagram shows the weight of three boys.



44.6 kg 32.8 kg 42.7 kg

The total weight of the 3 boys is

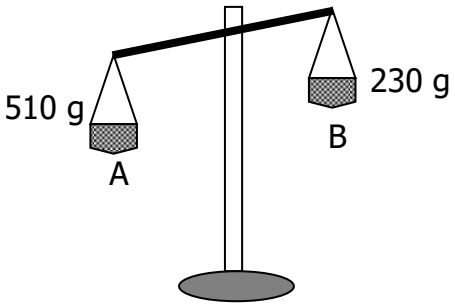
A. 1,201 kg

B. 125.1 kg

C. 120.1 kg

D. 12.01 kg

32. Use the diagram below to answer **Question 32**.



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

A. 740 g

B. 230 g

C. 510 g

D. 280 g

33. $\frac{1}{2}$ kg is

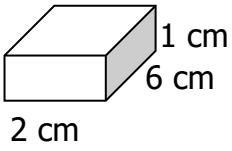
A. 1,000 g

B. 500 g

C. 250 g

D. 100 kg

34. The volume of this shape would be



A. 12 cm^2 B. 12 cm^3

C. 48 cm^2 D. 48 cm^3

35. The pictures below show 4 different containers.



mug 50 ml



jug 1,000 ml



bottle 750 ml



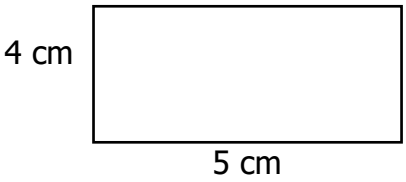
cup 175 ml

Which container holds the least amount of water?

A. bottle B. cup

C. jug D. mug

36. Calculate the perimeter of this rectangle.



A. 9 cm B. 18 cm

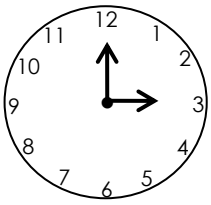
C. 20 cm D. 40 cm

37. If today is the 10th of May, what was the date 20 days ago?

A. 30th May B. 20th May

C. 21st April D. 30th April

38. The time shown below in 24 hours is



A. 3.00 hours
B. 0300 hours
C. 1215 hours
D. 0315 hours

39. Kissun divided $24,000.00 equally amongst his 5 children.

How much money will each child get?

A. $4.80
B. $48.00
C. $480.00
D. $4,800.00

40. Nisha bought a car for $29,436. She later sold it for $20,683.
What was her loss?

A. $8,753
B. $9,253
C. $9,723
D. $9,753

41. 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

42. Twenty four degrees Celsius is also written as

A. 24° C
B. 24 C°
C. 24 DC
D. 24 C

43. An isosceles triangle has

A. no sides equal.
B. one side equal.
C. two sides equal.
D. all sides equal.

44. An Equilateral Triangle has

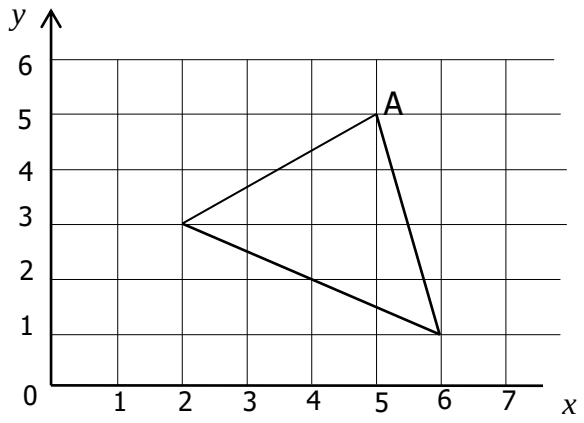
A. 1 lines of symmetry.

B. 2 lines of symmetry.

C. 3 lines of symmetry.

D. 4 lines of symmetry.

45. The coordinates of point A are



A. (2, 3)

B. (3, 2)

C. (6, 1)

D. (5, 5)

46. There are 2 green, 4 blue, 3 orange and 3 yellow marbles. What is the probability that Raju picks a blue marble?

A. $\frac{4}{12}$

B. $\frac{1}{4}$

C. $\frac{1}{12}$

D. $\frac{8}{12}$

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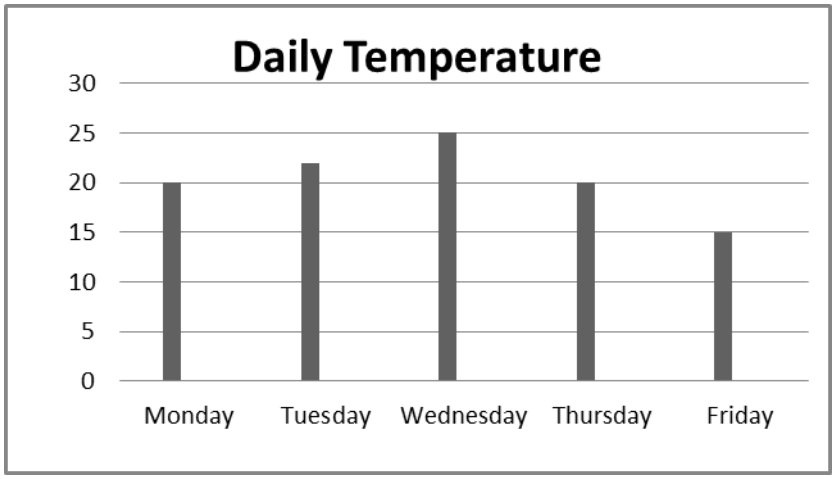
Use the graph to answer **Question 47**.

During a science experiment, Year 7 students recorded the daily temperature for a week. The result is shown in the graph given below.



47. Which day was the warmest?

A. Monday
B. Tuesday
C. Wednesday
D. Thursday

48. Which number breaks the pattern?

2, 5, 4, 7, 6, 9, 8, 10, 11

A. 6
B. 9
C. 10
D. 11

49. Complete the number pattern

1, 3, 6, 10 _____

A. 14
B. 15
C. 16
D. 20

50. 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

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