MINISTRY OF EDUCATION

LITERACY AND NUMERACY ASSESSMENT (LANA)

YEAR 6 NUMERACY ASSESSMENT
(SAMPLE TEST)

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

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

INSTRUCTIONS:

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.

33	A	☐	B	☒	C	☐	D	☐

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	☐	B	▓	C	☒	D	☐

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	☐	B	▓✓	C	▓	D	☐

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

32	A	☐	B	☒	C	☐	D	☐

    circles are not to be used

34	A	☐	B	◯	C	☐	D	☐

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

1.

2.

TH   H   T   O

What value does the above abacus show?

A.   92   B.   902

C.   9 002   D.   9 020

2.   What is the smallest even number written from these four digits 3,0,1,6?

A.   1 603   B.   1 306

C.   1 063   D.   1 036

3.   Choose the **best** symbol to make the sentence below true.

2364 __ 2346

A.   >   B.   <

C.   =   D.   ≥

4.   When four tenths is written as a decimal, the correct value is

A.   4.0   B.   0.4

C.   4.10   D. $\frac{1}{2}$

5.   209 rounded to the nearest 100 is

A.   200   B.   205

C.   210   D.   300

6.   Indra baked a cake and cut it into pieces of equal size as shown below.

What fraction does each piece represent?

A. $\dfrac{1}{4}$ B. $\dfrac{1}{5}$

C. $\dfrac{1}{6}$ D. $\dfrac{1}{1}$

7.   The number 1 606 is read as

A.   one thousand and sixty.

B.   one thousand six hundred and six.

C.   one thousand six hundred and sixty.

D.   one thousand six hundred and sixteen.

8.   Use the diagram below to answer the question that follows.

Which number sentence **best** describes the above diagrams?

A.   4 x 5   B.   5 − 4

C.   5 ÷ 4   D.   4 + 5

9.   How many days are there in the month of June?

A.   12   B.   28

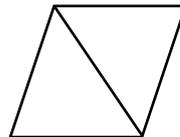C.   30   D.   31

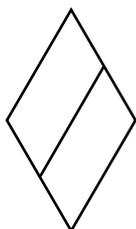10. Which diagram shows the diagonal line on a parallelogram?

A.
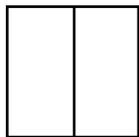
B.

C.

D.

11. What part of the shape is shaded?
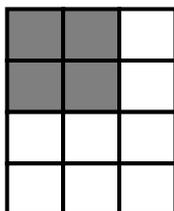
A. $\dfrac{1}{3}$ B. $\dfrac{1}{4}$

C. $\dfrac{1}{6}$ D. $\dfrac{1}{8}$

12. 0.12 + 1.4 is equal to:

A. 0.16 B. 1.42

C. 1.52 D. 1.62

13. In a rugby match between Nadroga and Tailevu there were 19 581 people. 15 629 supported Nadroga. The rest supported Tailevu.

How many people supported Tailevu?
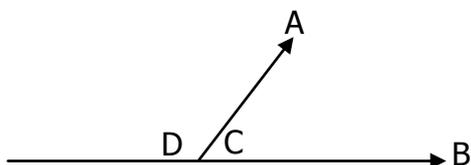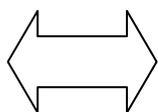
A. 3 961 B. 3 952

C. 3 951 D. 3 852

14. At which point is an acute angle formed?

15. Which of these shapes below has only 1 line of symmetry?
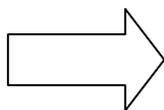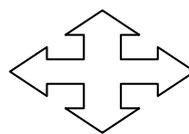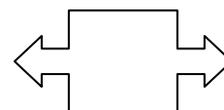
    A.   B.   C.   D.

16. Which diagram shows a cylinder?
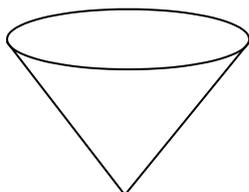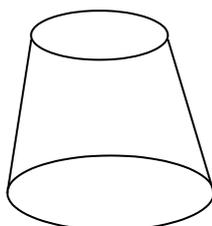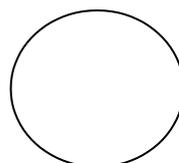
    A.   B.   C.   D.

17. Four bakers A, B, C and D used the following amount of flour to bake daily.

A	0.25 kg
B	0.33 kg
C	0.6 kg
D	0.625 kg

    What is the average amount of flour used daily?

    A.   0.39 kg   B.   0.41 kg

    C.   0.44 kg   D.   0.45 kg

18. Four fifths in common fraction is written as

    A. $\dfrac{10}{4}$ B. $\dfrac{5}{4}$

    C. $\dfrac{4}{5}$ D. $\dfrac{4}{10}$

19. Study the calendar and answer the question.

JULY

Sun	Mon	Tues	Wed	Thurs	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	

    The 3rd July is a Friday. What day is the 27th of July?

    A.   Monday   B.   Tuesday

    C.   Wednesday   D.   Sunday

20. Which number does **not** belong to the number pattern in Set X?

    X = {... 15, 20, 25, 31, 35, 40 ...}

    A.   20   B.   31

    C.   35   D.   40

21.

    What fraction of the cake in the picture will be left if Seema eats 2 pieces and takes another 2 pieces to school?

    A. $\dfrac{1}{6}$ B. $\dfrac{1}{3}$

    C. $\dfrac{1}{2}$ D. $\dfrac{5}{6}$

22. The teacher underlined 6 in the number 70 6̲12 and 70 16̲2.
    What do the underlined digits mean?

    A.   6 hundreds and 6 tens   B.   6 thousands and 6 tens

    C.   6 hundreds and 6 ones   D.   16 hundreds and 60

23. A Class 6 student wrote 3 numbers in his book and added them. Find the missing numbers in the box.

    $$\begin{array}{r} 99 \\ 567 \\ + \boxed{} \\ \hline 920 \end{array}$$

    A.   154   B.   254

    C.   354   D.   666

24. 5 mangoes weigh 1 100 g and a pineapple was 1.2 kg. What is the total weight of the mangoes and the pineapple?

    A.   2.3 g   B.   2 300 g

    C.   23 g   D.   230 g

25.   Look at the number sentence:

$$12 - (7 - 1) + (8 \ \square \ 2) = 10$$

The symbol in the $\square$ must be

A.   +   B.   −

C.   x   D.   ÷

26.   Sina called out the numbers as she jumped the stepping stones. What is the second number she called out?

| 2 070 | | 1 870 | 1 770 |

A.   1 880   B.   1 970

C.   2 170   D.   2 970

27.   Express $\dfrac{1}{100}$ as a decimal.

A.   1.0   B.   0.1

C.   0.01   D.   0.001

28.   What is the total weight of the fish shown below?

3.5 kg   **2.5 kg**   **2.25 kg**   **750 g**

A.   9 kg   B.   90 g

C.   900 g   D.   0.925 kg

29.   My sister bought 9 buttons for 45 c each, a zip for 60 c and a metre of lace for 50 c. How much did she spend?

A. $1.55   B. $4.65

C. $4.75   D. $5.15

30.   These are our ticket numbers for IDC soccer match: 2 109, 1 109, 2 901 and 1 019.

Which ticket number was bought second?

A.   2 109   B.   1 109

C.   2 901   D.   1 019

31.   Moses had a total of 36 bean seeds in his hands. He showed his left hand and it had 9 seeds. How many seeds were in his right hand?

A.   18   B.   23

C.   27   D.   33

32.   Which shape given below is a pentagon?

      A.   B.   C.   D.

33.   Paul has 4 equilateral triangles and a square.

He joins the edges to make a 3-dimensional shape.

Which of the following figures can he make?

A.   square

B.   triangle

C.   a pyramid with a square base

D.   a pyramid with a triangular base

34.   Sera had this number 548. She adds one to the tens and two to the units. What number would Sera end up with?

A.   550   B.   558

C.   560   D.   750

35. The 3 sides of Fane's rectangular pig-pen is 65 m. What is the length of the 4th side if the total of all sides is 80 m?

25 m

A. 15 m

B. 25 m

C. 65 m

D. 45 m

36. What is similar about these figures?

A. They are all quadrilaterals.

B. Each corner angle is a right angle.

C. They all have an axis of symmetry.

D. All sides are unequal.

37. A dairy farmer sells 10 litres of milk at a cost of $1.50 a litre in a day. How much does he earn in 5 days?

A. $15.00

B. $16.00

C. $20.00

D. $75.00

38. Each fence post is 10 cm wide.

10 cm

How wide is the fence shown above?

A. 17 cm

B. 49 cm

C. 70 cm

D. 80 cm

39. Raju was to reach home at 3.45 pm after school. He reached home at 4.15 pm. How late was he?

A. 45 minutes

B. 30 minutes

C. 4 minutes

D. 30 seconds

40. The table below shows the tally of 4 girls selling *roti* parcels.

Name	No. of parcels sold
Mary	ЖІ 〵Ж ІІ
Marica	Ж
Nisha	Ж 〵Ж 〵Ж І
Hina	Ж Ж 〵Ж 〵Ж

How many parcels were sold by Mary and Marica?

A. 34   B. 32

C. 17   D. 15

41. A fish can jump up to 20 times its body length. If the body length of the fish is 20.5 cm, what is the furthest distance the fish can jump?

A. 4.1 cm   B. 41 cm

C. 410 cm   D. 4100 cm

42. The minute hand is missing.
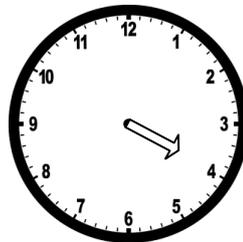
What time is the above clock showing?

A. 4 o'clock   B. half past 4

C. 5 o'clock   D. half past 5

43. Tomu boards a bus that leaves from Nadi at 0920 hrs. It takes 4 hours and 30 minutes to get to Suva. What time would he arrive in Suva?

A. 1:00 pm   B. 13:30

C. 13:50   D. 2:20 pm

44. If you continued this pattern, how many triangles would be in shape 7?

Shape 1   Shape 2   Shape 3   Shape 7
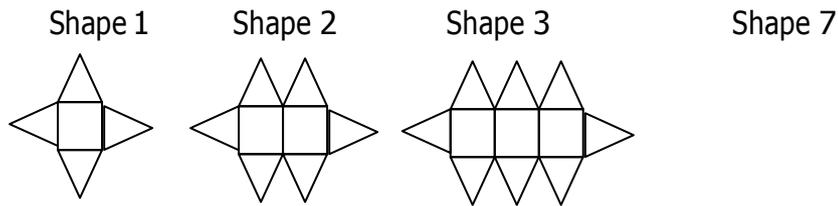
A.   24   B.   18
C.   16   D.   6

45. A drum is $\frac{3}{4}$ full and can hold 200 L of water. How much more water is needed to fill the drum?

200 L

$\frac{3}{4}$

0
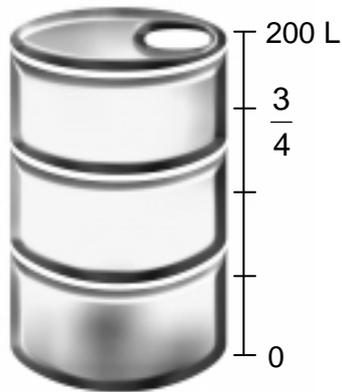
A.   50 L   B.   150 L
C.   350 L   D.   600 L

46. Which of the statements below does **not** give the sum of 1 077 and 3 499?

A.   1 080 + 3 496   B.   1 000 + 3 576
C.   1 080 + 3 477   D.   1 070 + 3 506

47. Andrew bought 2 chickens for $20.00 each. He later sold them for $25.00 each. He then gave $\frac{1}{4}$ of his profit to his brother. How much of the profit was left?

A. $7.50   B. $10.00
C. $47.50   D. $50.00

48. 140 ÷ 5 is the same as

A.   (100 ÷ 5) + (40 ÷ 5)   B.   (100 − 5) ÷ (40 − 5)
C.   (100 ÷ 5) x (40 ÷ 5)   D.   (100 x 5) + (40 x 5)

49.

A   B
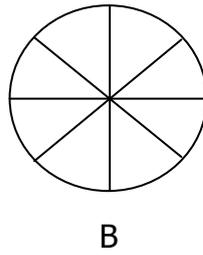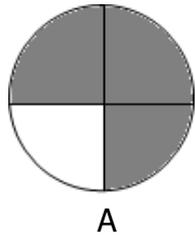
Jina shaded $\frac{3}{4}$ of circle A. What fraction of Circle B would Sera shade to make it equivalent to Jina's?

A. $\frac{2}{8}$ B. $\frac{3}{8}$
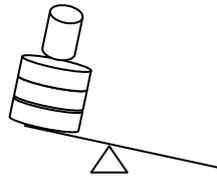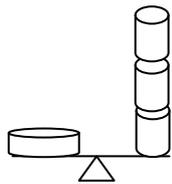
C. $\frac{4}{8}$ D. $\frac{6}{8}$

50.

Three cans of juice is equal to 1 steel cylinder.
How many cans should balance 3 cylinders and 1 can of juice?

A. 6   B. 7

C. 9   D. 10

51. All prime factors of 30 are___, ___, ___.

A. 1, 2, 15   B. 2, 3, 5

C. 1, 3, 6   D. 10, 15, 30

52. Temo folded her square handkerchief and some lines were made.

Which line is **not** a line of symmetry?

53. Masuya Din who was born in India got a moustache 259 cm in length. What is the length of his moustache in metres?

   A.   2.59 m   B.   25.90 m

   C.   259 m   D.   0.259 m

54. The graph shows garden sales of Class 6 N on parents' day.

GARDEN SALES OF CLASS 6N

Which 2 vegetables were bought by **most** people?

   A.   *bele* and *rourou*   B.   *rourou* and pumpkin

   C.   bean and pumpkin   D.   *bele* and pumpkin

55.   Which of the shapes A, B, C or D has the largest area?
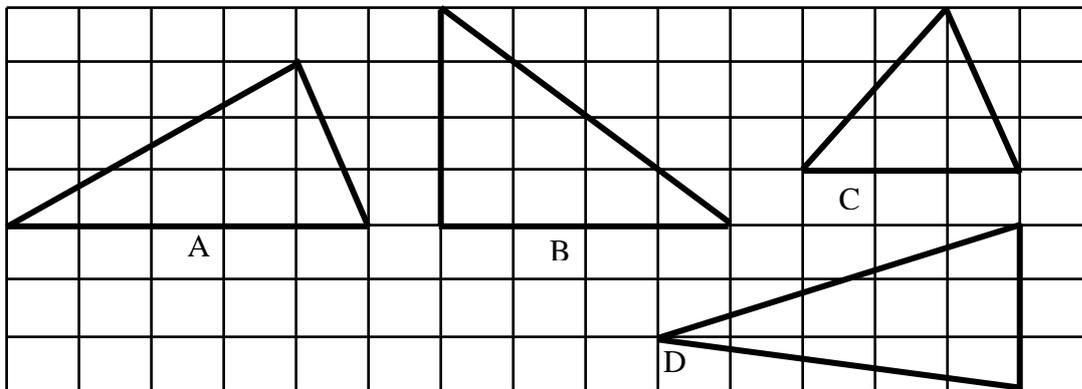
56.   The Venn diagram below shows the children's favourite colours.

Key

☐ red
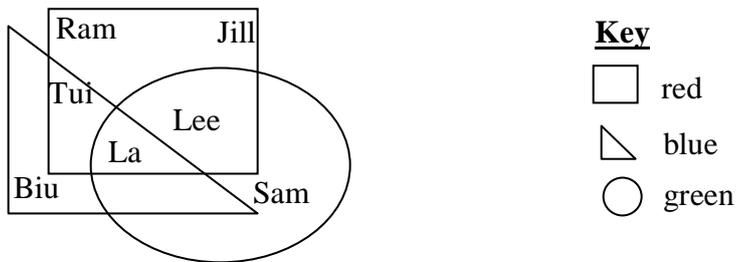
◺ blue

○ green

Which child likes red and blue but **not** green?

A.   Tui   B.   La

C.   Lee   D.   Biu

57.   6 boxes were stacked together as shown below. If each face shown was marked x, how many faces were marked?

A.   6   B.   12

C.   18   D.   19

58. A packet of lollies contains:

red lollies $-\ \frac{1}{2}$ of the total

orange lollies $-\ \frac{2}{5}$ of the total

the rest are green lollies

What fraction of the total are green lollies?

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

B. $\frac{3}{10}$

C. $\frac{2}{5}$

D. $\frac{10}{3}$

59. Here is a timetable for volunteers who helped at the Children's Ward in the hospital.

Name	Start	Finish
Mau	8.30 am	3.30 pm
Fifita	10.00 am	6.30 pm
Helen	1.30 pm	8.00 pm
Jay	4.00 pm	10.30 pm

Which of these volunteers worked the longest?

A. Mau

B. Fifita

C. Helen

D. Jay

60. This is a movie program.

Movie Program		
Movie	**Start Time**	**Length of Movie**
Blue Sky	10.00am, 12.30pm, 3.30pm	1hr 35mins
Queen's Life	3.00pm, 7.00pm	2 hrs
My Home	11.00am, 2.15pm, 6.00pm	1hr 40mins
Cats and Dogs	2.05pm, 5.00pm	2hrs 30mins

Jone arrives at the movie theatre at 2.00 pm. His mother will pick him up at 4.30 pm. How long is the movie he will be watching?

A. 1 hr 35 mins

B. 1 hr 40 mins

C. 2 hrs

D. 2 hrs 30 mins

THE END