

FORM ONE MATHEMATICS

ANSWER ALL QUESTIONS

1. Given that $3.35 = 3\frac{A}{B}$, find the values of A and B (3marks)

2. A lady can cross a road by taking an exact number of steps. She makes strides of 75cm or 120cm or 125cm, find the least width of the she can cross (3marks)

3. Use a number line to work out : $-3 - 6$ (2marks)

4. Evaluate:

$$-1\frac{1}{2} - \left(-\frac{1}{3}\right) \quad (3marks)$$

5. Round off to the nearest ten thousand.

$$764\,293 \quad (1mark)$$

6. Fill in the box below

$$\square - 546 = +36 \quad (2marks)$$

7. Simplify

$$-6 \times (-3 \times 5) \quad (2marks)$$

8. AT meteorological station the temperature at 6.00a.m was -8° C. A t 9.00a.m the

Temperature rose by 6°C , at noon the went up again by 12°C , but at 3 .00p.m the
The temperature dropped by 16°C . What was the final temperature at the station? (3marks)

9. Find the value of
 $0.0028 - 0.07025$ (1mark)

10. Evaluate: $0.036 \div 0.000\ 012$ and express your answer in standard form. (2marks)

11. Work out

$$\frac{(-12) \times 4 \div (-2) + (6)}{(+18) - (-2)} \quad (3\text{marks})$$

12. The product of two numbers is 1.3403. If one of the numbers is 0.13, find the other number.
(2marks)

13. State the number that should be inserted between 6 and 5 in the number below
To make the whole be divisible by 3 and 6
716_50 (2marks)

14. What is the value of P in the equation below

$$\frac{2P}{7} = \frac{30}{21}$$

(2marks)

15. IN Form 1W there are 60 students. 0.4 of them belong are members of Wildlife Club, 0.1 are C.U members and 0.3 are members of Science club. The rest are members of drama club. How many are in drama club? (3marks)

16. Jane ate $\frac{1}{4}$ of her cake in the morning, $\frac{1}{3}$ of the remainder in the afternoon and $\frac{1}{2}$ of what remained in the evening. How much of the cake remained for the next day? (3marks)

17. Workout

$$10.12 - (6.45 + 7.45) - 2.78$$

(2marks)

18. Evaluate and leave your answer as a mixed fraction

$$3\frac{7}{8} + 3\frac{3}{8} \div 7\frac{3}{4}$$

$$5\frac{1}{10} + 2\frac{9}{10}$$

(4marks)

19. A farmer has 3 containers of capacity 48 litres, 36 litres and 27 litres. Find
The capacity of the largest container that can be used to fill each one of them an exact number
of times. (2marks)

20. Arrange the following fractions in ascending order.

$$\frac{2}{5}, \frac{7}{18}, \frac{4}{9}, \frac{1}{2}$$

(3marks)

21. If $X = -2$, $y = -3$ and $z = -4$ find the value of

$$\frac{2X - 3y}{xyz}$$

(3marks)

22. What is the value of:

$$\frac{240 + 144}{48}$$

(2marks)