ST. AGGREY NURSERY AND PRIMARY SCHOOL

PRIMARY LEAVING EXAMINATIONS (PLE)

MATHEMATICS

Time allowed: 2 hours 30 minutes

Instructions

This paper has two sections: A and B. Answer all questions in both sections. All working must be shown clearly. Calculators are not allowed.

SECTION A (40 Marks)

Answer all questions. Each question carries 2 marks. Write the answer in the space provided.

1. Find the value of $\frac{3}{4} + \frac{2}{5}$

2. Work out: 3.25 × 0.4

3. What is the place value of 7 in the number 37,418?

4. Write 1.375 as a fraction in its lowest terms.

5. Find the difference between 8041 and 6398.

6. Round off 4.786 to the nearest hundredth.

7. Express $\frac{3}{4}$ as a percentage.

8. Find the square root of 289.

9. How many grams are there in 2.5 kilograms?

10. A book costs sh 15,000. How much will 3 books cost?

11. Find the next number in the sequence: 1, 3, 7, 15, ____

12. A man had shs 50,000. He used ²/₅ of it. How much did he spend?

13. Find the area of a square whose side is 12 cm.

14. Convert 3 hours 20 minutes into minutes.

15. Work out: 5/6 ÷ 1/3

16. A bus travels 120 km in 2 hours. What is its speed in km/h?

17. What is the LCM of 4, 6, and 8?

18. Write 2456 in Roman numerals.

19. The perimeter of a rectangle is 48 cm. If its length is 14 cm, what is the width?

20. Find the average of 12, 18, 24, and 30.

SECTION B (60 Marks)

Answer all questions. Show all your working clearly. Each question carries 5 marks.

21. A shopkeeper bought 5 bags of sugar each weighing 25 kg. He repacked the sugar into 2.5 kg packets. How many packets did he make?

22. A tank has a capacity of 10,000 litres. It is filled using a pipe that pours 250 litres every 10 minutes. How long will it take to fill the tank completely?

23. A rectangular garden is 12 m long and 9 m wide.

(a) Find its area.

(b) If grass is planted on the whole garden at shs 3,000 per square metre, how much money is needed?

24. A trader bought a radio at shs 85,000 and sold it at shs 102,000.

- (a) Calculate the profit.
- (b) Find the percentage profit.

- 25. A school has 120 boys and 160 girls.
- (a) Find the ratio of boys to the total number of pupils.
- (b) What percentage of the pupils are girls?

26. A bus set off at 7:45 a.m. and reached its destination at 12:30 p.m. How long was the journey?

27. The table below shows marks scored by pupils in a test:

Pupil	Mark
Ali	72
Sarah	80
Ben	68
Aisha	90
Tom	70

(a) Find the mean mark.

(b) Who scored the highest mark?

28. A man deposits shs 200,000 in a bank that pays 5% interest per annum. How much money will he have after 2 years?

29. A triangle has sides 12 cm, 9 cm, and 15 cm.(a) Find its perimeter.

(b) If the height corresponding to the base of 15 cm is 8 cm, find its area.

30. Draw a rectangle 6 cm long and 3 cm wide. On the same figure, draw both diagonals and label the point where they intersect as X.

31. A box contains 5 red balls, 3 blue balls, and 2 green balls. One ball is picked at random.(a) What is the probability of picking a blue ball?

(b) What is the probability of picking a ball that is not red?

32. A car consumes 8 litres of fuel to travel 64 km.(a) How many litres are needed for 160 km?

(b) How far can the car go on 20 litres?

