

Answer **all** questions in this section

**Encircle** the letter corresponding to the right answer for each question

1. Simplify  $\frac{4}{9} \div \frac{2}{15} \times \frac{1}{5}$

- A.  $\frac{3}{4}$
- B.  $\frac{1}{3}$
- C.  $\frac{2}{3}$
- D.  $\frac{3}{2}$

2. Find the third number in the following number pattern?

670, 630, \_\_\_\_\_, 550

- A. 590
- B. 550
- C. 560
- D. 580

3. If the side of a square is 29m, what is its perimeter?

- A. 611
- B. 161
- C. 1601
- D. 116m

4. Simplify  $\frac{0.8 \times 0.3}{0.012}$

- A. 22
- B. 20
- C. 30
- D. 0.20

5. By how much is the sum of 23.04 and 87.49 greater than 95.6?

- A. 14.83
- B. 14.73
- C. 14.93
- D. 14.63

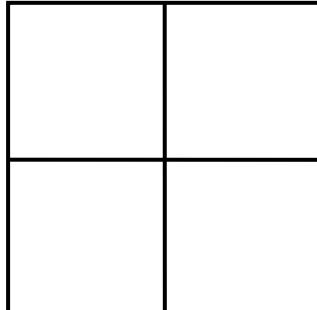
6. Express 0.0029746 to 3 Significant figures

- A. 2974
- B. 0.0030
- C. 0.002975
- D. 0.00297

7. Convert  $270^\circ$  as a fraction of complete turn?

- A.  $\frac{3}{4}$
- B.  $\frac{1}{2}$
- C.  $\frac{1}{4}$
- D.  $\frac{2}{3}$

**Figure 1** is a quadrilateral. Use it to answer question 8



8. How many squares bare there in **figure 1**

- A. 5
- B. 4
- C. 1
- D. 9

9. If 3 is subtracted from a number, the result is 18. What is the number?

- A. 6
- B. 15
- C. 21
- D. 54

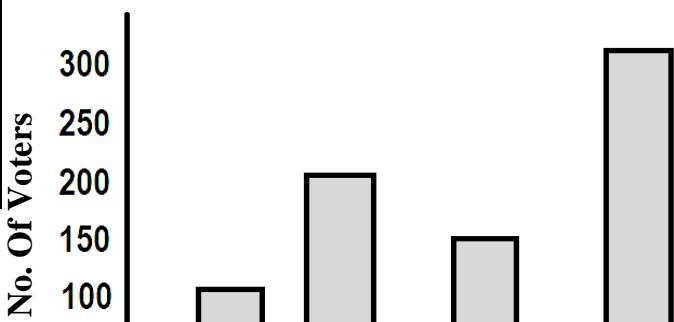
10. Maria scored 80% in a test. If the test was marked out of 40. Calculate Maria's actual score?

- A. 42
- B. 32
- C. 30
- D. 40

11. Find the least number such that when it is divided by 12, 16 and 21 the remainder is 7?

- A. 336
- B. 329
- C. 363
- D. 343

**Figure 2** is a bar graph showing number of votes won by four candidates at a polling station. Use it to answer questions 12 and 13



4 cm

4 cm

B

3 cm

C

**Candidates**

- 12.** Which candidate was likely to win the elections  
 A. Candidate C  
 B. Candidate B  
 C. Candidate D  
 D. Candidate A
- 13.** How many votes did the least candidate get?  
 A. 100  
 B. 250  
 C. 300  
 D. 150
- 14.** Jane is 15 years old. If Kondwani is twice as old as Jane, what are their total ages?  
 A. 30  
 B. 45  
 C. 35  
 D. 15
- 15.** Evaluate  $5\frac{3}{4}$  as a decimal fraction?  
 A.  $\frac{22}{3}$   
 B. 5.25  
 C. 5.75  
 D. 5.7

**Figure 3** shows a diagram of a triangle, use it to answer question **16**

- 16.** What type of triangle is the figure above?

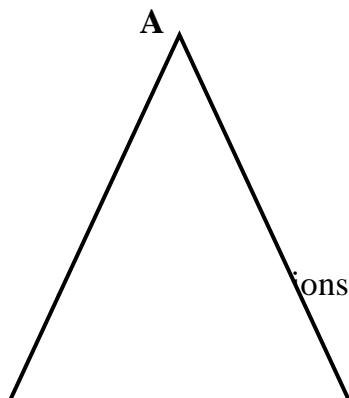
- A. Equilateral
- B. Scalene
- C. Isosceles
- D. Right angled

- 17.** A picture of a tree is 12 cm long if the scale used was  $\frac{2}{3}$ , find the actual length?  
 A. 12 cm  
 B. 18 cm  
 C. 24 cm  
 D. 8 cm

- 18.** Divide 784 by 10 giving your answer correct to the nearest whole number?  
 A. 78  
 B. 79  
 C. 78.4  
 D. 80

- 19.** A company celebrated its diamond jubilee in 11AD. When was the company established?  
 A. 49 BC  
 B. 49AD  
 C. 71AD  
 D. 71BC

- 20.** Mabvuto gave  $\frac{3}{4}$  of \$300 to her brother. What is the value of the remaining dollars in Malawi kwacha? (\$1 = K750)  
 A. K168, 000  
 B. K168, 750  
 C. K168, 570  
 D. K168, 700

**Section B (60 marks)**

- ions in this section. Write your answers in the space provided under each question. Show your working.
- 21.**

- a. When **Y** eggs in the basket are broken, **78 eggs** remained, find the value of **Y** if the basket had **102 eggs**. (3 marks)

- b. Write MCXXV in Hindu – Arabic Numeral (2 marks)

**22.**

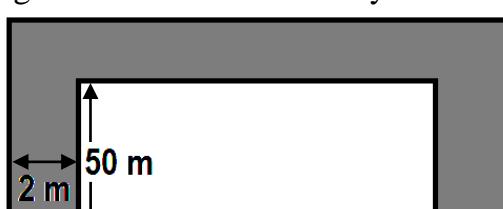
- a. An aeroplane is flying at 560 km/hr. How far will it go in 30 minutes (2 marks)

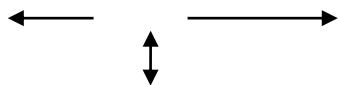
- b. If 2 bags of rice cost K1200, how much will 3 bags cost? (3 marks)

**23.**

- a. By continued division method, find the HCF of **56**, **64** and **72** (4 marks)

**Figure 4** shows a play ground measured **100m** by **50m** with **2m** runaway around it.





24. Calculate the area covered by the runaway (shaded part) (6 marks)

25. A tank measured **3m** long, **2m** wide and **2m** deep is half full of water.

a. What is the capacity of the tank in litres (3 marks)

b. Calculate the volume of the water in the tank (2 marks)

26. A trader lost 10% by selling a shirt for K1800.

a. What was the cost price of the shirt? (4 marks)

b. At what price should it be sold to make a profit of 5% (3 marks)

27. Enter the following transactions for Mr. Phiri's cash account and balance it for the month of June (8 marks)

June 1, 2008 Balance in hand : K30, 000  
June 3, 2008 Cash sales : K 6, 000  
June 7, 2008 Paid transport : K 4, 000  
June 28, 2008 Paid rent : K12, 000

28.

- a. In a shop a suit was at K12, 600. 00 and sold at K10, 200. 00. What was the discount percentage? (4 marks)
- b. Increase 888m in the ratio 5 : 4 (2 marks)

29. At Kochilira Health Centre they recorded the following number patients on Monday, Tuesday and Friday as shown in the table below

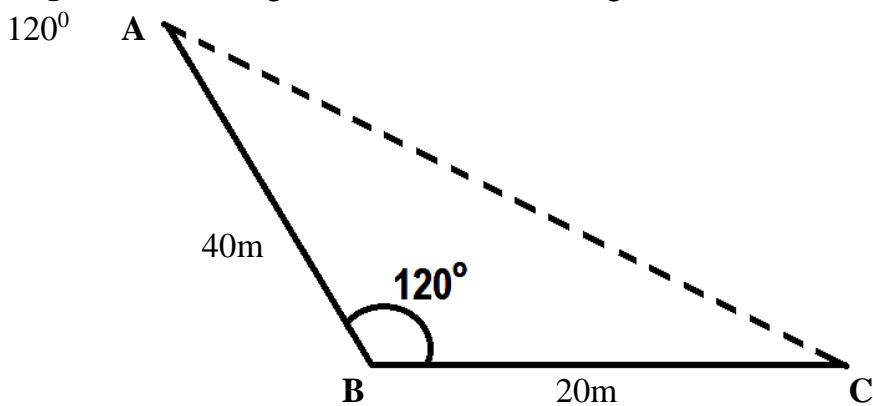
DAY	NO. OF PATIENTS
Monday	80
Tuesday	160
Friday	100

- a. Using  to represent 20 patients. Draw a picture graph. For Monday, Tuesday and Friday (3 marks)

- b. How many more patients were on Tuesday than on Friday (2 marks)

- c. When the Health Centre was recorded the highest number of patients? (2 marks)

30. Figure 5 shows a garden in form of a triangle ABC,  $\mathbf{AB} = 40\text{m}$ ,  $\mathbf{BC} = 20\text{m}$  and angle  $\mathbf{ABC} = 120^\circ$



- a. Using a scale of 1:5 draw the figure accurately by a ruler and protractor (5 marks)

b. Measure and state of AC (2 marks)

**END OF QUESTION PAPER**

**NB: Please make sure you have 8 printed Pages**