



# FRONTRUNNER EXAM

## STANDARD FIVE 021

### MATHEMATICS

**5**

Time: 2 Hrs

**READ THESE INSTRUCTIONS CAREFULLY**

- You have been given this question paper and a separate answer sheet. The question paper contains 50 questions.
- Do any necessary rough work in this paper.
- When you have chosen your answer, mark it on the ANSWER SHEET, not in this question paper.

1. Write sixty four thousand six hundred and four in symbols

- A. 64 604                      B. 64 640  
C. 64 406                      D. 6 604

2. What is the total value of digit 5 in the number 821583?

- A. 5000                      B. Thousands  
C. Five hundred              D. 50000

3. Round off 605986 to the nearest hundreds?

- A. 605 990                      B. 606 010  
C. 606 000                      D. 606 910

4. What is the sum of the first four prime numbers?

- A. 16                      B. 17  
C. 15                      D. 13

5. Simplify:  $3x - 4x - 2x + 17x$

- A. 14x                      B. 26x  
C. 17x                      D. 11x

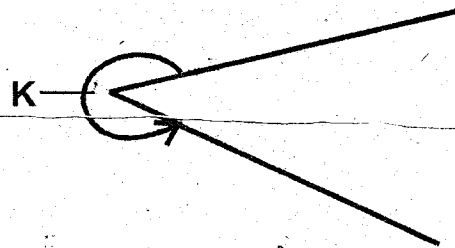
6. Jamasiro planted 2700 seedlings in rows of 90. How many rows were planted?

- A. 30      B. 20      C. 60      D. 90

7. Add:  $3\frac{3}{7} + 10\frac{3}{4}$

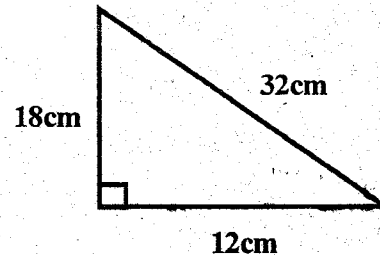
- A.  $14\frac{15}{28}$                       B.  $13\frac{5}{28}$   
C.  $13\frac{33}{28}$                       D.  $14\frac{5}{28}$

8. What is the name of the angle K drawn below?



- A. Acute                      B. Obtuse  
C. Right angle              D. Reflex

9. Find the area of the triangle below

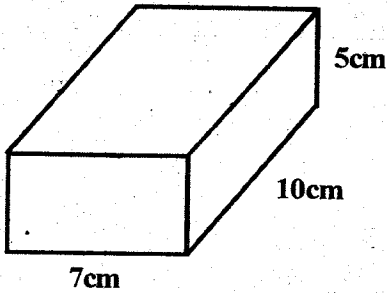


- A. 216cm<sup>2</sup>                      B. 108cm<sup>2</sup>  
C. 384cm<sup>2</sup>                      D. 192cm<sup>2</sup>

10. Subtract:      H                      Min  
                         9                      15  
                         - 3                      45

- A. 6h                      30min  
B. 5h                      30min  
C. 6h                      45min  
D. 5h                      45min

11. What is the volume of the box drawn below?



- A.  $350\text{cm}^2$                       B.  $2100\text{cm}^3$   
 C.  $2100\text{cm}^2$                       D.  $350\text{cm}^3$

12. How many  $\frac{3}{5}$  kg packets can be obtained from 180kg?

- A. 300    B. 540    C. 720    D. 108

13. What is the next number in the sequence?

5, 8, 11, 14, 17, \_\_\_\_\_

- A. 23    B. 19    C. 26    D. 20

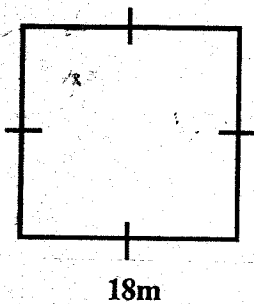
14. Subtract:  $2 - 1.9999$

- A. 1.0001                      B. 0.9999  
 C. 0.0001                      D. 0.001

15. Which is the least number that can be divided by 12, 24, 36?

- A. 108    B. 72    C. 48    D. 144

16. What is the perimeter of the figure below?



- A. 324cm                      B. 72cm  
 C. 162cm                      D. 36cm

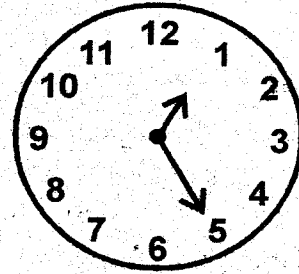
17. Multiply:  $0.39 \times 37$

- A. 1.443                      B. 0.1443  
 C. 14.43                      D. 144.3

18. What is the value of x:  $x - 5 = 17\frac{1}{4}$

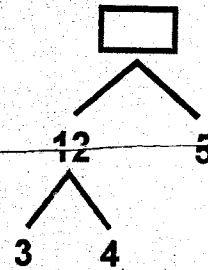
- A.  $12\frac{1}{4}$                       B. 22  
 C. 12                          D.  $22\frac{1}{4}$

19. What is the time shown on the clock face drawn below?



- A. 1:25 p.m.                      B. 5:05 a.m.  
 C. 1:25 a.m.                      D. 5:05 p.m.

20. Find the missing number in the factor trees



- A. 30    B. 17    C. 7    D. 60

21. Express:  $8\frac{1}{4}$  as improper fraction

- A.  $\frac{13}{4}$                       B.  $\frac{41}{8}$   
 C.  $\frac{33}{4}$                       D.  $\frac{32}{4}$

22. Atieno bought the following items from a shop:

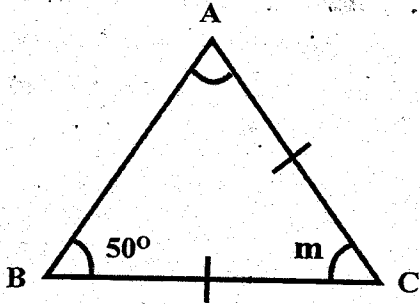
- 3kg of sugar @ sh. 45
- 7 loaves of bread @ sh. 20
- 3kg of rice @ sh. 40

How much did she pay?

- A. Sh. 105                      B. Sh. 385  
 C. Sh. 395                      D. Sh. 295

23. Subtract:  $300002 - 19999$   
 A. 28003                      B. 29997  
 C. 299997                     D. 280003

24. What is the size of angle m



- A.  $80^\circ$     B.  $130^\circ$     C.  $100^\circ$     D.  $50^\circ$

25. Arrange  $\frac{1}{2}, \frac{2}{3}, \frac{3}{8}, \frac{7}{9}$  from the smallest to the largest

- A.  $\frac{3}{8}, \frac{1}{2}, \frac{2}{3}, \frac{7}{9}$                       B.  $\frac{1}{2}, \frac{2}{3}, \frac{3}{8}, \frac{7}{9}$   
 C.  $\frac{3}{8}, \frac{2}{3}, \frac{1}{2}, \frac{7}{9}$                       D.  $\frac{7}{9}, \frac{2}{3}, \frac{1}{2}, \frac{3}{8}$

26. Multiply:  $6 \times 2 \frac{1}{9}$

- A.  $12 \frac{1}{9}$     B. 17    C.  $12 \frac{2}{3}$     D. 12

27. Multiply: 3km 275m by 4

- A. 13km 10m  
 B. 13km 100m  
 C. 13km 1100m  
 D. 12km 1100m

28. What is the GCD of 30, 45, 60

- A. 5    B. 10    C. 2    D. 15

29. Express 29.95 as a fraction

- A.  $\frac{2995}{100}$                       B.  $\frac{2995}{10000}$   
 C.  $\frac{2995}{10}$                         D.  $\frac{2995}{1000}$

30. What is the place value of digit 4 in the number 389.564?

- A. Thousandths                      B. Hundredths  
 C. Tenths                                D. Hundreds

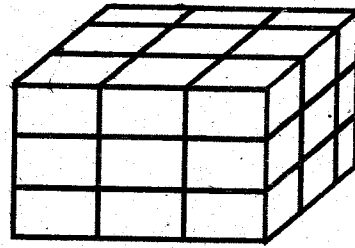
31. Change 17h 30mins into minutes

- A. 1020 mins                      B. 990 mins  
 C. 1730 min                        D. 1050 mins

32. Which of the statements below is NOT true about an equilateral triangle?

- A. All angles add upto  $180^\circ$   
 B. All angles are  $60^\circ$   
 C. All sides are equal  
 D. Two base angles are equal

33. How many cubes are in the stack below?



- A. 18    B. 54    C. 27    D. 36

34. A bucket had 6.56 litres of milk. How many milliliters of milk was this?

- A. 656 ml                              B. 6560ml  
 C. 656000ml                        D. 65600ml

35. Change:  $5 \frac{6}{11}$  as improper fraction

- A.  $\frac{55}{11}$                               B.  $\frac{55}{6}$   
 C.  $\frac{61}{6}$                                 D.  $\frac{61}{11}$

36. What is  $\frac{2}{7}$  of 63?

- A. 9    B. 18    C. 12    D. 16

37. Add: **135270 + 429658**

- A. 563928                      B. 555928  
C. 564928                      D. 554828

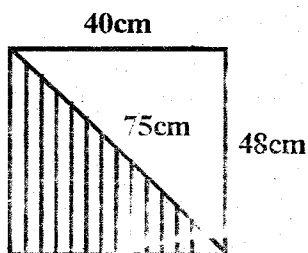
38. Which of the following numbers is divisible by 9?

- A. 270    B. 586    C. 3700    D. 2268

39. The perimeter of a square is 480m. What is the length of the square?

- A. 240m    B. 120m    C. 80m    D. 60m

40. What is the area of the shaded part?



- A. 960cm                      B. 1500cm  
C. 1920cm                      D. 480cm

41. Divide: **6637 ÷ 26**

- A. 255 rem 27                      B. 223 rem 27  
C. 224 rem 27                      D. 25 rem 27

42. Write XLIX in Hindu/Arabic numerals

- A. 69                              B. 59  
C. 49                              D. 39

43. Change 18000m into kilometers

- A. 1.8km                              B. 180km  
C. 1800km                              D. 18km

44. Divide: 38kg 148g by 6

- A. 6kg 2148g                      B. 6kg 358g  
C. 6kg 148g                              D. 6kg 158g

45. Add: **2 + 4.01 + 38.7**

- A. 42.91                              B. 47.71  
C. 44.71                              D. 42.73



46.  $\frac{3}{5} = \frac{\square}{30}$

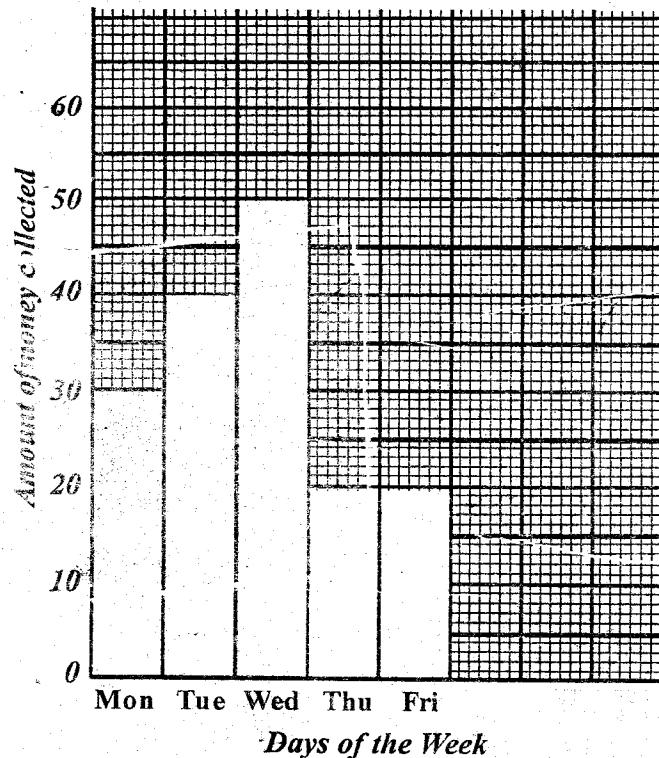
- A. 18    B. 12    C. 6    D. 22

47. If the perimeter of an equilateral triangle is 48cm, what is the length of one side?

- A. 18cm                              B. 10cm  
C. 12cm                              D. 16cm

**Use the graph below to answer questions 48 - 50**

**The graph below shows the amount of money collected by the farmers club from their sales of vegetables**



48. On which day was the amount of money collected the highest?

- A. Monday                              B. Wednesday  
C. Thursday                              D. Friday

49. On which two days was the amount of money collected the same?

- A. Monday and Wednesday  
B. Thursday and Tuesday  
C. Tuesday and Wednesday  
D. Thursday and Friday

50. What was the amount of money collected?

- A. Sh. 160                              B. Sh. 140  
C. Sh. 120                              D. Sh. 100