

FRONTRUNNER EXAM STANDARD FIVE 021 MATHEMATICS

(5)

Time: 2 Hrs

FRONTRUNNER 007

READ THESE INSTRUCTIONS CAREFULLY

- 1. You have been given this question paper and a separate answer sheet. The question paper contains 50 questions.
- 2. Do any necessary rough work in this paper.
- 3. 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

K

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

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

- A. Acute
- B. Obtuse
- C. Rightangle
- D. Reflex

3. Round off 605986 to the nearest hundreds?

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

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

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

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

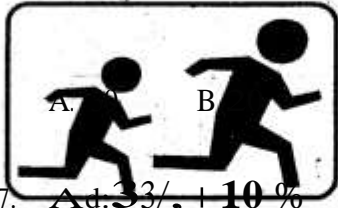
- A. 14x
- B. 26x
- C. 17x
- D. 11

12cm

- A. 216cm^2
- B. 108cm^2
- C. 384cm
- D. 192cm^2

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

10. Subtract: $\begin{matrix} \text{H} & & \text{Min} \\ 9 & & 15 \end{matrix}$



A.

B.

C. 60

D. 90

- 3

45

7. Ad. $33\frac{1}{3}\%$, + 10%

i 4% ,

- 1% ,

A. 6h

30min

B. 5h

30min

C. 6h

45min

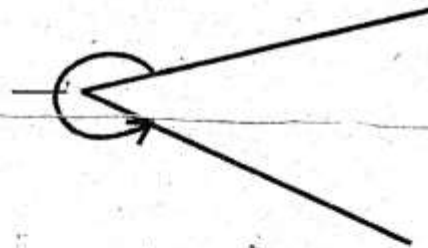
D. 5h

45min

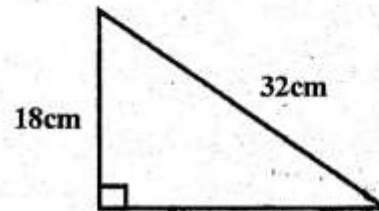
c. **I**,

- 14% ,

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9. Find the area of the triangle below.



C. 15

A

3

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

5cm

7cm

- A. 350cm^2 B. 2100cm^3
 C. 2100cm D. 350cm^3

12. How many $\frac{1}{4}$ 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

18. What is the value of X if $X - 5 = 17$?

- A. 12% B. 22
 C. 12 D. 22%

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

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

20. Find the missing number in the factor trees

- C. 48 D. 144

3 4

16. What is the perimeter of the figure below?

- A. 30 B. 17 C. 7 D. 60

21. Express $8\frac{1}{2}$ as improper fraction

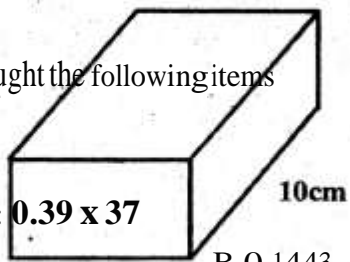
18m

- A. 324cm B. 72cm

C. 162cm

D. 36cm

22. Atieno bought the following items from a shop:



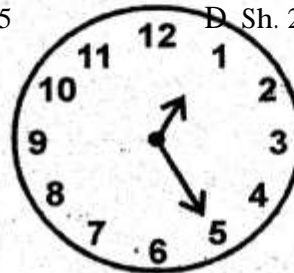
17. Multiply: 0.39×37

- A. I.443 B. O.1443
C. 14.43 D. 144.3

- 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



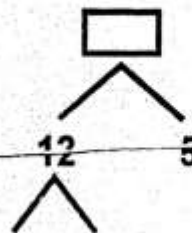
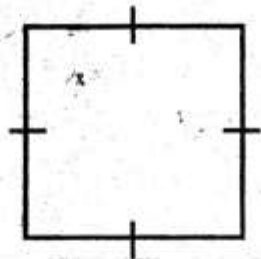
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14. Subtract: $2 - 1.9999$

- 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



A. $\frac{13}{4}$

B. $\frac{41}{8}$

C. $\frac{33}{4}$

D. $\frac{32}{4}$

23. Subtract: **300002 - 19999**

- A. 28003 B. 29997
C. 299997 D. 280003

24. What is the size of angle m

A

- A. 80° B. 130° C. 100° D. **50**

25. Arrange $\frac{1}{9}$, $\frac{4}{9}$, $\frac{2}{3}$, $\frac{7}{9}$, from the smallest to the largest

A. $1 \frac{4}{9}$, $\frac{2}{3}$, $\frac{7}{9}$

C. $\frac{3}{9}$, $\frac{1}{9}$, $\frac{2}{3}$, $\frac{7}{9}$ D. $\frac{1}{9}$, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{3}{9}$

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

- A. $12 \frac{1}{2}$, B. 17 C. **$12 \frac{1}{2}$** D. 12 A. 18 B. 54 C. 27 D. 36

27. Multiply: 3km 275m by 4

- A. 13km 10m
B. 13km 100m
C. 13km 110m
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

D. $0 \frac{1}{10}$

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

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

31. Change 17h 30mins into minutes

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

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

- A. All angles add up to 180
B. All angles are 60°
C. All sides are equal
D. Two base angles are equal

33. How many cubes are in the stack below?

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: $5 \frac{1}{11}$, as improper fraction

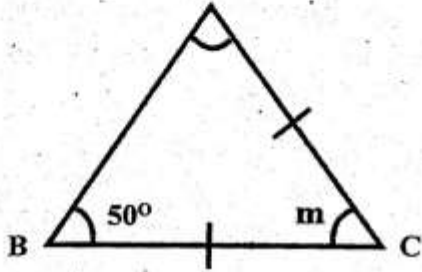
A. $\frac{55}{11}$

f. $\frac{2995}{100}$

g. $\frac{2995}{10000}$

C. $\frac{2995}{10}$

D. $\frac{2995}{1000}$



B. $\frac{1}{2}, \frac{2}{3}, \frac{3}{8}, \frac{7}{9}$

36. What $e\%$ of 63?

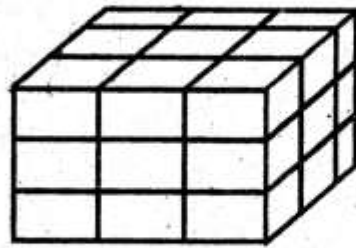
A. 9

B. 18

C. 12

D. 16

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B. $\frac{55}{6}$

C. $\frac{61}{6}$

11

37. Add: **135270 + 429658**

- A. 63928 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?

40cm

48cm

- A. 960cm² B. 1500cm²
C. 1920cm² D. 480cm²

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 A
C. 6kg 148g .

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

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4
2

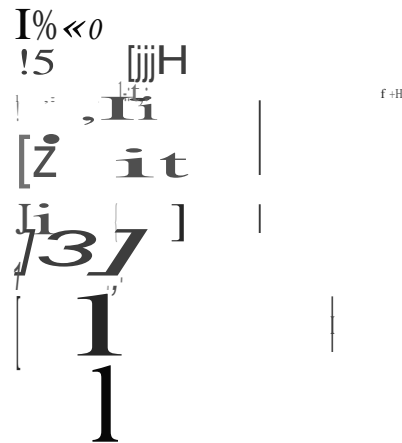
47. If the perimeter of an equilateral triangle is 48cm,

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



Mon Tue Wed Thu Fri
Days of the Week

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

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

- C. 44.71

L

- B. 6kg 358g
- D. 6kg 158g

- B. 47.71
- D. 42.73

49.

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A.
Monday
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B.

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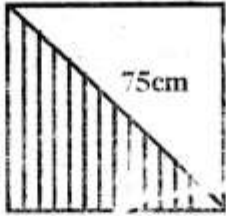
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u

rsday and Tuesday C.
Tuesday and Wednesday D.
Thursday and Friday

46.

5 - **3**

- A. 18 B. 12 C. **6** D. 22



50. What was the amount of money collected?

- A. Sh. 160 B. Sh. 140

- C. Sh. 120 D. Sh. 100

4

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