

PRIMARY EDUCATION SERVICES NETWORKING ORGANIZATION (PESNO)



TEL: 0713- 526533

0767- 526533

STANDARD VII SECOND MOCK EXAMINATION

SUBJECT: MATHEMATICS [02]

DATE: 03RD MAY, 2021

TIME: 2 HRS

CANDIDATE'S NAME: _____

SCHOOL: _____

DISTRICT: _____ **REGION** _____

INSTRUCTIONS:

1. Fill in the prime personal information in the first part of your answer sheet
2. This paper consists of 45 questions with section A, and B in four printed pages
3. Answer all questions as per instructions in each section
4. Observe neatness in your workings
5. Shade the correct answer on the OMR answer sheet given for no. 1 to no. 40
6. For no. 41 to no. 45 write the solution and the answer at the back of the answer sheet given

SECTION A: MULTIPLE CHOICE QUESTIONS

For questions number 1 – 40 calculate and choose the most correct answer then shade its letter on the special answer sheet provided (OMR) using HB Pencil only.

1. What will be the sum of the total values of 7 and 9 in 9087006?

A. 900700
B. 9000700
C. 9007000
D. 970000
E. 90700

2. Write “800000 + 0 + 9000 + 0 + 0 + 9” in short form.

A. 899
B. 800909
C. 80909
D. 809009
E. 908009

3. Work out the total value of 6 in 34.261

A. 0.06
B. 60
C. 0.6
D. 600
E. 0.006

4. Convert $\frac{74}{7}$ into mixed fraction.

A. $1\frac{4}{7}$
B. $7\frac{4}{7}$
C. $7\frac{4}{10}$
D. $10\frac{7}{4}$
E. $10\frac{4}{7}$

5. Arrange " $\frac{2}{3}$, 0.6, $\frac{3}{4}$, $\frac{4}{5}$, 1, 0.5" in Ascending order.

A. $\frac{4}{5}$, $\frac{3}{4}$, $\frac{2}{3}$, 0.6, 0.5
 B. 0.5, 0.6, $\frac{2}{3}$, $\frac{3}{4}$, $\frac{4}{5}$, 1
 C. $\frac{2}{3}$, 0.5, 0.6, $\frac{3}{4}$, $\frac{4}{5}$
 D. 0.5, 0.6, $\frac{2}{3}$, $\frac{3}{4}$, $\frac{4}{5}$
 E. 0.5, 0.6, $\frac{2}{3}$, $\frac{4}{6}$, $\frac{3}{4}$

6. Write MMIV as Hindu – Arabic numerals.

A. 204
B. 1004
C. 2004
D. 2009
E. 2005

7. Convert 8.08% into decimal; Give your answer to three decimal place

A. 0.081
B. 0.008
C. 0.808
D. 0.0808
E. 0.088

8. $56 - 72 + 44 =$

A. -28
B. 44
C. 18

D. 18
E. 28

9. $8.36 + 11.7 =$

A. 19.43
B. 20.06
C. 20.43
D. 9.53
E. 20.53

10. $567 \times 1000 =$

A. 56700
B. 765000
C. 5670
D. 567000
E. 657000

11. $15\frac{3}{4} \div 10\frac{1}{2} =$

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







12. $-96 - -490 - +4 =$

A. -390
B. -296
C. -590
D. $+296$
E. $+390$

13. $46 - 42\frac{5}{7} =$

A. $4\frac{5}{7}$
B. $3\frac{2}{7}$
C. $90\frac{5}{7}$
D. $3\frac{5}{7}$
E. $4\frac{2}{7}$

14. Write a number represented by the following Abacus:-

	Hundred Thousands	
	Ten Thousands	
	Thousands	
	Hundreds	
	Tens	
	Ones	

A. 3245
B. 302 405
C. 320.405
D. 32405
E. 320450

15. $-3x^{-2} \div -1 =$

A. +6
B. -3
C. +3
D. -6
E. -1

16. Find the missing number in the following;

$-64, +16, -4,$ _____

A. -1

B. -16

C. $+1$

D. $\frac{1}{4}$

E. $+4$

17. What is the difference between

18² and 17²?

A. 18
B. 17
C. 1²

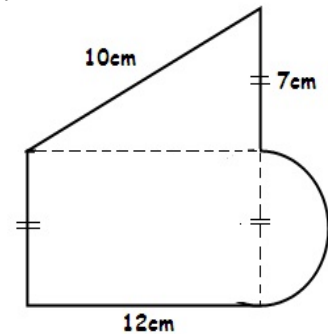
D. 35²
E. 35

18. Find the square root of a half the product of 50 and 400.
 A. 1000 D. 100
 B. 200 E. 40
 C. 400
19. Which of the following makes all the prime factors of 45?
 A. 1, 3 and 5 D. 3 and 15
 B. 3 and 5 E. 2, 3 and 5
 C. 1, 3, 5 and 15
20. Find the sum of the greatest common factor (GCF) and the lowest common multiple (LCM) of 39, 78 and 156.
 A. 195 D. 157
 B. 159 E. 39
 C. 156
21. Change 12:01 pm into 24 hours format.
 A. 1201 hours D. 1012 hours
 B. 0001 hours E. 0012 hours
 C. 2401 hours
22. Change $78\frac{3}{5}$ into percentage.
 A. 786% D. 78.60%
 B. 78.6% E. 7806%
 C. 7860%
23. How many weeks are in $4\frac{1}{2}$ years?
 A. 216 weeks D. 208 weeks
 B. 52 weeks E. 234 weeks
 C. 48 weeks
24. Divide Sh. 12000 cts 90 by 30
 A. sh. 3 400cts D. sh. 400 03cts
 B. sh. 400 30cts E. Sh. 400 90cts
 C. Sh 400 40cts
25. Given that; $p = 3.45$, $q = 0.69$. What will be the value of p when $q = 1.38$?
 A. 0.69 C. 0.96 D. 6.9
 B. 9.6 E. 0.069
26. The carpenter made a dining table at a cost of Sh. 250000; if he sold it at a profit of 10% . How much did he get by selling such table?
 A. Sh. 25000 D. Sh. 225000
 B. Sh. 250000 E. Sh. 200000
 C. Sh. 275000
27. Divide 18years 39weeks by 5.
 A. 3years 39 weeks D. 3 years 37.5 weeks
 B. 39 years 3 weeks E. 2 years 39 weeks
 C. 2year 37.5 weeks
28. Using his beautiful 504 car; Samata travelled 30km using $2\frac{1}{2}$ hours. What was his speed in $\frac{km}{hr}$?
 A. $90\frac{km}{hr}$ D. $12\frac{km}{hr}$
 B. $60\frac{km}{hr}$ E. $15\frac{km}{hr}$
 C. $18\frac{km}{hr}$

29. Chris-Nelly uses 2hours and 15minutes everyday for studying. If he started at 7:15pm; at what time did he finish to study?
 (Write your answer in 24hours clock system)
 A. 0915 hours D. 2115 hours
 B. 2130 hours E. 0915 hours
 C. 1915 hours

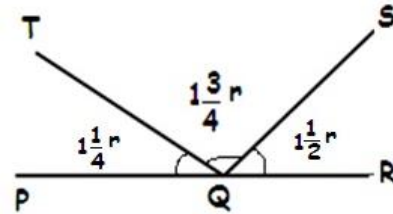
30. Work out the perimeter of the following figure.

- A. 40cm
 B. 33cm
 C. 59cm
 D. 61cm
 E. 47cm



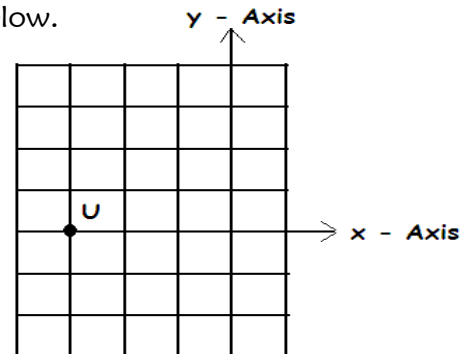
31. Find the value of angle PQS.

- A. 40°
 B. 120°
 C. 30°
 D. 80°
 E. 100°



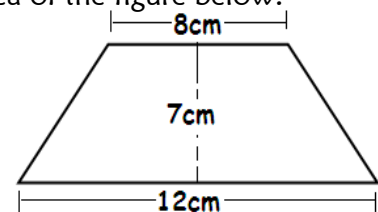
32. Write the coordinates of point U in the figure below.

- A. (-2, 0)
 B. (0, -3)
 C. (+3, -3)
 D. (-3, 0)
 E. (-3, -3)



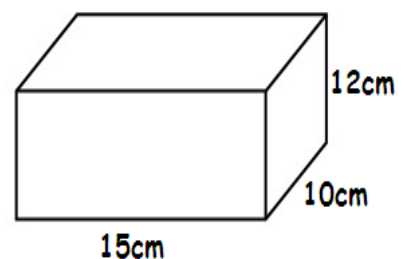
33. Find the area of the figure below.

- A. $140cm^2$
 B. $70m^2$
 C. $70cm^2$
 D. $84cm^2$
 E. $96cm^2$



34. Find the volume of the figure below.

- A. $1800cm^3$
 B. $800cm^3$
 C. $1500cm^3$
 D. $1200cm^3$
 E. $18000cm^3$

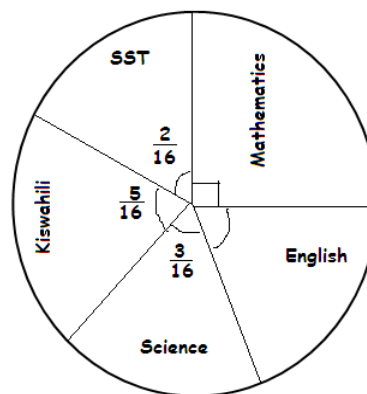


35. Mzee Ntagondwa distributed cows to his three children as follows; Kadudu got $\frac{1}{3}$ of all cows, Daniel got $\frac{1}{2}$ of the remaining cows. If Toto got 80 cows, how many cows did Kadudu and Daniel receive from their father?
- A. 80 cows D. 400 cows
B. 240 cows E. 160 cows
C. 120 cows
36. Amina buys 5 litres of milk every day for her cafe. If it costs Sh. 1500 each litre; how much will she spend to buy milk in the month of April?
- A. Sh. 250000 D. Sh. 205000
B. Sh. 22500 E. Sh. 225000
C. Sh. 2250000
37. Duwasa supplied 1480000 litres of water to 2500 households. If each household received the same amount of water, how many litres did each household get?
- A. 592 litres D. 5920 litres
B. 562 litres E. 5820 litres
C. 582 litres
38. A Bajaj driver made agreement with his boss to submit Tsh. 70000 per week. After how many weeks will he clear the balance of Tsh. 7000000?
- A. 10 weeks D. 70 weeks
B. 100 weeks E. 700 weeks
C. 1000 weeks
39. Magoli harvested 60 tonnes of maize in 1990. He sold 58 tonnes @ Sh. 1000000. He then bought a tractor at Sh. 35000000; how much money did he remain with?
- A. Sh. 25000000 D. Sh. 23000000
B. Sh. 35000000 E. Sh. 22000000
C. Sh. 58000000
40. Mama Daudi has three children; each child consumes a quarter kilogram of rice per day. How many grams of rice are they going to spend after 4 weeks?
- A. 21 kg D. 750g
B. 7000g E. 2100g
C. 21000g

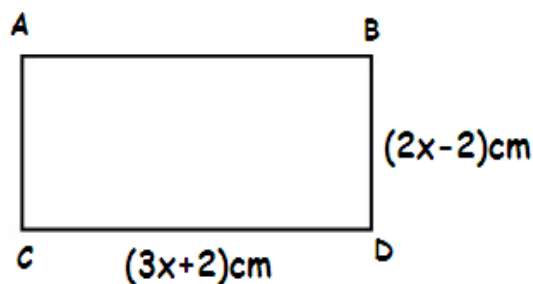
SECTION B: CALCULATIONS

For questions number 41 – 45. Calculate carefully showing all workings clearly on **the answer sheet** provided using a **blue or black pen**.

41. Find the value of x in: $7x + 3 - 6x = 0.5x + 6$
42. The pie chart below indicates the Marks that Daniel scored in one of the Mock Examination in 2020. If he scored $\frac{40}{50}$ in Mathematics; what was his score in English?



43. If the perimeter of figure ABCD is 40cm; find its area.



44. Doreen's age was 0.2 that of his father 4 years ago. How old will be Doreen in two years time if the father's present age is 4 times the age of Doreen?
45. Zomboko bought 10 crates of tomatoes on Monday, 15 crates on Tuesday, 20 crates on Wednesday and 12 crates on Thursday. If the average number of crates bought per day was 15 crates and he bought tomatoes for 5 consecutive days. How many crates did he buy on Friday?