

NYANGA DISTRICT EXAMINATIONS

MATHEMATICS PAPER 1

MARCH 2019

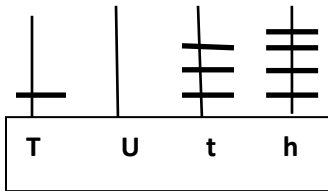
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

1. Read **all** the instructions carefully.
2. Do **not** open the paper until you are told to do so by the invigilator.
3. Use **only** an HB pencil for all entries on the answer sheet.
4. When you are told to start choose **one** correct answer from the suggested answers and shade it **very dark**
5. If you wish to change your answer, **erase it completely** with a pencil rubber and then shade the new choice.
6. If **more** than **one** letter is shaded for any one answer, that answer will be regarded as **wrong**.
7. If you **do not** understand the instructions ask the invigilator to explain them to you **before** you start.
8. Answer **all** the questions on the separate answer sheet provided.

This question paper consists of 6 printed copies

1.



The number represented by the abacus above is -----

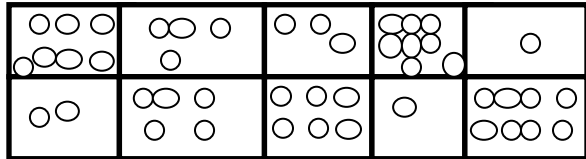
- A. 1,034 B. 10,34 C. 134 D. 1034

2. $2-7+14 =$ A. 9 B.8 C. 17 D.19

3. $27/100$ as a decimal A. 2,7 B. 0,027 C. 0,27 D. 0,0027

4. What is the value of the underlined digit 139, 369: A. 30 B. 0,3 C. 300 D. 0,03

5. T TH TH H T U



What number is represented on the above abacus?

- A. 95 387 B. 70 389 C. 74 381 D. 25 018

6. 1008 in words is ----- A. One hundred zero zero eight B. One zero zero eight

- C. One thousand and eight D. One thousand and eighty

7. 23 as an ordinal number. A. 2 and 3 B. 23th C. 23nd D. 23rd

8. How many times is the first 3 greater than the second 3 in 73 593?

- A. 1 000 B. 100 C. 10 D. 0

9. Find the missing number in the pattern 1;2 ;3:5:8:

- A. 15 B. 21 C. 13 D. 9

10. Three tenth of a number is 60. What is the number?

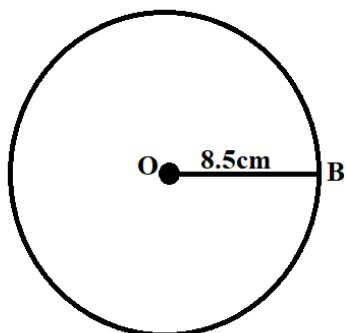
- A 200 B 100 C 1000 D 2 000

11. 9,9 to the nearest whole number is -----A. 0 B. 10 C. 1 D. 9,9

12. Joseph bought a hat marked \$5,25. He paid with \$10,00 and got his change in 25 cent coins. How many coins did he get? A. 475 B. 21 C.20 D. 19

13. $14/4$ expressed as a mixed number in its lowest terms is = A. $3 \frac{1}{2}$ B. $3\frac{3}{4}$ C. $4 \frac{1}{5}$ D. $3\frac{1}{2}$

14. $XL - IX =$ **A. XXXIX** **B. LXIV** **C. XLIX** **D. XXXI**
15. $7\frac{1}{4}$ as an improper fraction is ----- **A. $\frac{8}{4}$** **B. $\frac{29}{4}$** **C. $\frac{12}{4}$** **D. $\frac{30}{12}$**
16. $5\frac{1}{4} \div 1\frac{1}{6} =$ **A. $\frac{1}{2}$** **B. $2\frac{1}{4}$** **C. $4\frac{1}{10}$** **D. $4\frac{1}{2}$**
17. Shupikai's span is 21cm. He measured the width of a room and found that it was 30 spans .What was the actual width? **A. 63m** **B. 6,3 m** **C. 0,63m** **D. 630 m**
18. When the dividend is 28 and the divisor is 7 , the quotient is -----
A. 4 **B.35** **C.21** **D.196**
19. $0,4 + 6,583 + 2$ is ----- **A. 12,583** **B. 7,183** **C. 8,983** **D. 6,589**
20. 4,6 km is further than 3 875m by
A. 1,875kmm **B. 8,475km** **C. 0,725km** **D. 0,125km**
21. In a sale a suit was reduced by 25% to \$120.What was its original price?
A. \$144 **B. \$96** **C. \$160** **D. \$100**
22. $4\frac{1}{5} - 2\frac{3}{4} =$ **A. $2\frac{9}{20}$** **B. $2\frac{19}{20}$** **C. $1\frac{9}{20}$** **D. $1\frac{1}{2}$**
23. $8 \div 0,2 =$ **A. 0,4** **B. 0,04** **C. 40** **D. 4**
24. A nurse was on duty from 10: 45 pm to 7:30 am the following day .For how long was she on duty?
A. 8 h 45 min **B. 3hrs 15min** **C. 18h 15min** **D. 7h 45 min**
25. 1.24 am in 24 hour notation is
A 0124h **B 1324h** **C 1240h** **D 2336 h**
26. A 0,2 m of a pole 8,5 m long was buried underground .How many metres of the pole were above the ground? , **A. 1,5m** **B. 2,3m** **C. 8,7 m** **D. 8,3 m**
27. 8g expressed in kg ----- **A. 0.008** **B. 0,08** **C. 0,8** **D. 8,00**
28. $0,3 \times 0,3 \times 0,3$ **A. 0,27** **B. 0,027** **C. 0,270** **D. 27,000**
29. What is Lowest Common Multiple (L.C.M) of 10; 9 and 6? **A. 450** **B. 90** **C. 25** **D. 3**
30. The diagram is a circle with centre O. Line OB is the radius .How long is the diameter?



A. 8,5cm

B. 17 cm

C. 72,25 cm

D. 16,5 cm

31. This is a plan of a classroom. It shows where a group of children are sitting.

Chipo	Besty	Phillip
Fleck	Mary	Faro
Sam	Peter	Cuthbert
Ben	John	Susan

Where is Phillip sitting? A. 2,3 B. 4,1 C. 1,2 D. 3,4

32. $5 + 5 \div 5$ is equal to A. 2 B. 25 C. 30 D. 6

33. What is the distance covered by a motorbike which travels 15 kilometres per hour in 5 hours?

A 75 km B 20 km C 3 km D 10 km

34. Nyasha started Grade One in 1980 .When did she complete Grade Seven, if she repeated grade three ,four and five? A. 1986 B. 1987 C. 1988 D. 1989

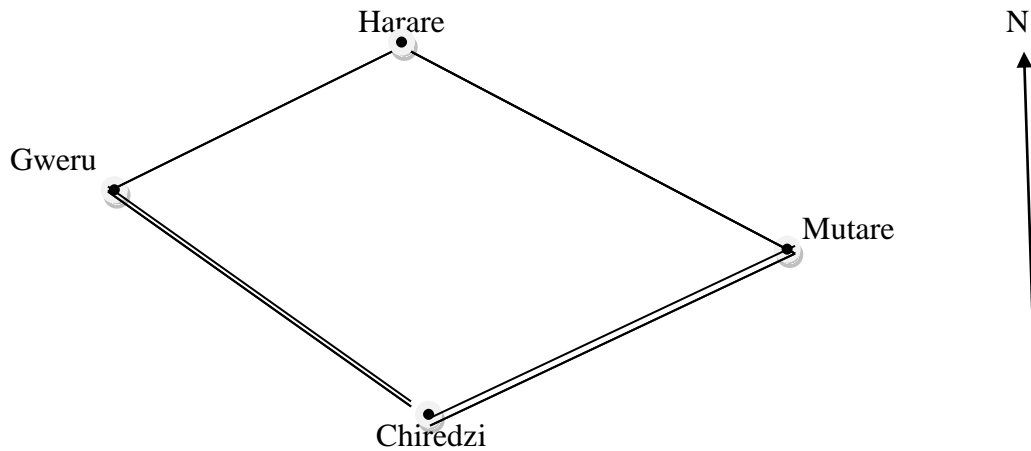
35. A shirt was bought for \$10,00 .It was then sold for \$14,00. The percentage profit was ----

A. 10% B. 20% C. 40% D. 60%

36. The area of a rectangle is 40 cm^2 .its width is 2,5 cm. Find its length.

A. 100cm B. 16cm C. 42,5cm D. 13,5cm

37.



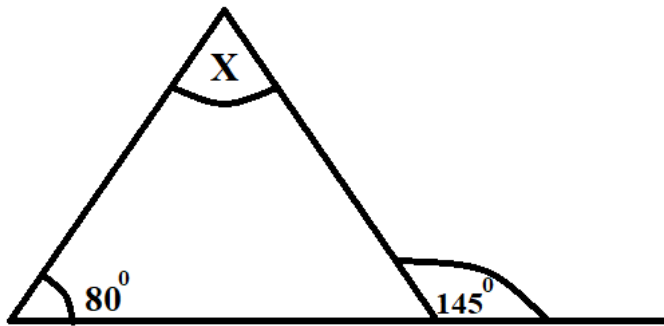
The direction of Harare from Mutare is

A. South East B. North West C. South West D. North

38. 84,67 rounded off to the nearest tenth is

A. 85,00 B. 84,7 C. 84,50 D. 84,00

39.



The size of the angle marked X in the triangle is

- A. 65° B. 35° C. 100° D. 50°

40. Two-thirds of people attending a meeting were men and the rest were women .There were 32 men attending the meeting. How many women attended the meeting?

- A. 48 B. 16 C. 12 D. 14

41. A farmer invested \$860, 00 in a savings account at an interest rate of 5 % per annum. Calculate the total amount he got at the end of 1 year

- A \$4, 50 B \$903 C \$43,00 D \$817, 00

42. Mr Nyamhanza invested \$1 000 at 20% simple interest per annum for 4 years . The interest he got was :

- A \$600,00 B \$800 C \$400 D \$200,00

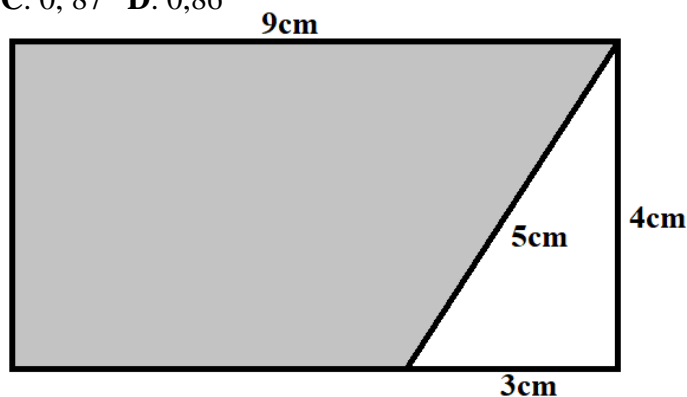
43. Share \$525 in the ratio 3: 2 between Shape and Soup .What is Soup`s share?

- A. \$105 B. \$315 C. \$215 D. \$210

44. 0,875 correct to 2 decimal places is?

- A. 1,00 B. 0,88 C. 0, 87 D. 0,86

45.



What is the area of the shaded part?

- A. 36 cm^2 B. 30 cm^2 C. 27 cm^2 D. 35 cm^2

46. A fuel tank of a car has 60 litres. The car uses 1 litre every 15 km. How much fuel is left in the tank if it covers 135 km? **A.** 9 litres **B.** 51 litres **C.** 56 litres **D.** 70 litres

47. 6 men can finish a job in 24 hours Working at the rate , 8 men would finish the job in : ?

- A.** 32hr **B.** 16hr **C.** 20hr **D.** 18hr

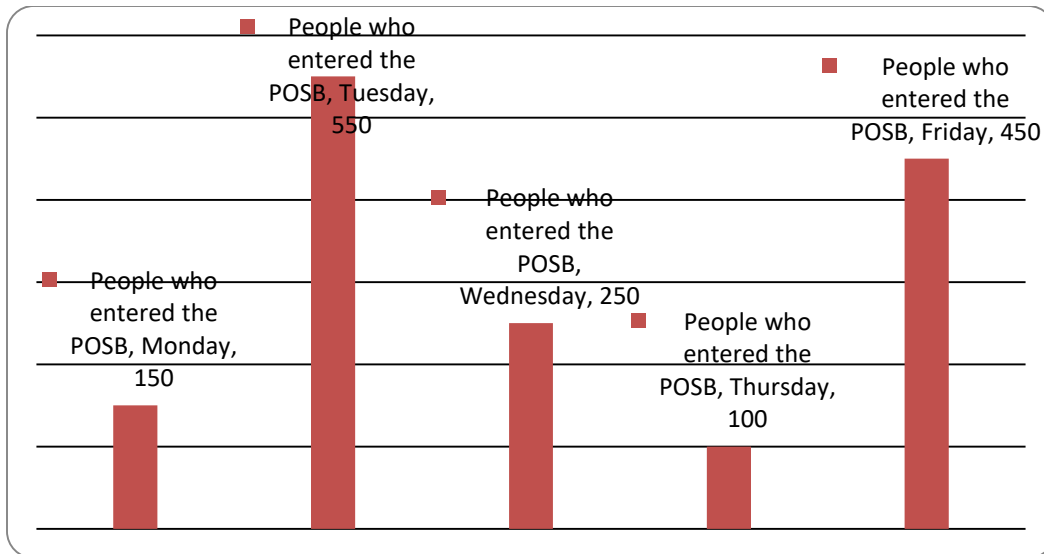
48. Below is a distance table in kilometres.

GWERU			
67	KWEKWE		
88	155	ZVISHAVANE	
150	220	62	MASVINGO

What is the distance from Gweru to Masvingo via Kwekwe?

- A** 287 km **B** 220 km **C** 217 km **D** 150 km

49. The Graph below shows the number of people who entered a Post Office Savings Bank during a certain week.



How many more people entered the POSB on Wednesday than Monday?

- A** 400 **B** 200 **C** 100 **D** 250

50. Find the average number of people who entered the POSB from Tuesday to Friday?

- A** 337,5 **B** 1 500 **C** 300 **D** 1 350