

# RG MUGABE EDUCATION SECTION

## GRADE 7 EXAMINATIONS 2020

### MATHEMATICS

#### PAPER 1

2 Hours

- Two hundred and sixty five thousand two hundred is \_\_\_\_\_  
A. 265 200    B. 26 500    C. 26 200    D. 265 002
- Which of the following is not a factor 56?  
A. 2    B. 4    C. 9    D. 8
- The prime number in the following is \_\_\_\_\_  
A. 94    B. 90    C. 92    D. 97
- $(10^5 \times 4) + (10^3 \times 2) + (10^1 \times 6)$  is  
A. 100 00    B. 400 000    C. 300 060    D. 406 060
- What must be added to the sum of 29 and 43 to give a total of 100?  
A. 28    B. 71    C. 72    D. 14
- The cyclist travelled 32 km in 8 hours. What was his average speed in km/h?  
A. 4 km/h    B. 8 km/h    C. 12 km/h    D. 32 km/h
- John was born in 1969 and Mary in 1980. How many years older is John than Mary?  
A. 10    B. 11    C. 12    D. 13
- What is  $\frac{5}{8}$  of 1 day?  
A. 20 hrs    B. 15 hrs    C. 12 hrs    D. 10 hrs
- $4 - 0,621 =$     A. 3,621    B. 3,379    C. 3,462    D. 4,621
- Study the pictures of the digital watches A and B.

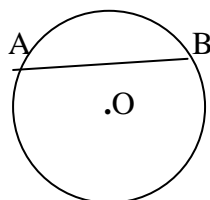
09: 40: 05

A

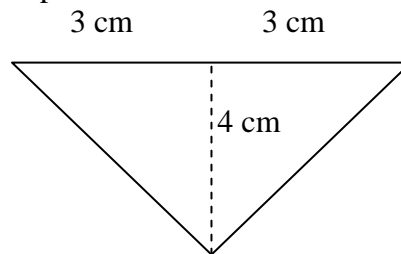
21: 21: 50

B

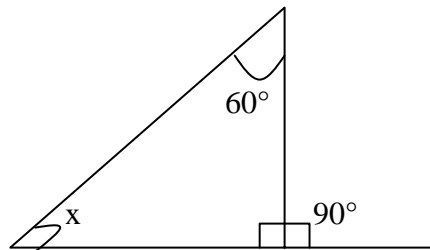
- How many minutes and seconds will pass before watch A shows 10: 00: 00  
A. 19 min 55sec    B. 20 min 55 sec    C. 21 min 55 sec    D. 55 sec
- Chido counted her money as \$ 1,05 instead of \$01,50. Chido's counting was wrong by --  
A. 45c    B. 35c    C. 25c    D. 55c
  - $\frac{47}{15}$  expressed as a mixed number in its lowest terms is \_\_\_\_\_  
A.  $3 \frac{1}{15}$     B.  $3 \frac{2}{15}$     C.  $4 \frac{1}{15}$     D.  $4 \frac{8}{15}$
  - 0,03 kg expressed in grammes is  
A. 0,3g    B. 3g    C. 30g    D. 300g
  - The gross mass of a tin of oil is 975 kg. If the empty tin has a mass of 385 kg, what is the mass the oil?  
A. 649,94 kg    B. 590 kg    C. 830 kg    D. 0,710 kg
  - By how much is the sum of 0,02 and 3 greater than their product?  
A. 0,06    B. 2,96    C. 3,02    D. 3,06
  - The diagram above shows a circle centre O, the straight line AB is  
A. the diameter    B. a chord    C. the circumference    D. an arc



17.  $3\frac{1}{2} + 2\frac{1}{8} + 1\frac{3}{4} =$  A.  $5\frac{5}{8}$  B.  $6\frac{10}{8}$  C.  $7\frac{5}{8}$  D.  $7\frac{3}{8}$   
 18. What is  $3 \div \frac{1}{4}$  A.  $\frac{3}{4}$  B. 12 C.  $3\frac{1}{4}$  D.  $1\frac{1}{3}$   
 19. If the dividend is 101,50 and the divisor 0,5 then the quotient is \_\_\_\_  
 A. 2,30 B. 20,3 C. 203 D. 2030  
 20. The perimeter, in cm of a regular pentagon of sides 4,5 cm is \_\_\_\_  
 A. 9 B. 22,5 C. 225 D. 2,25  
 21. Find the volume of a box whose inside measurements are 15 cm X 8 cm X 11 cm.  
 A.  $1\ 320\text{ cm}^3$  B.  $1\ 230\text{ cm}^3$  C.  $1\ 420\text{ cm}^3$  D.  $88\text{ cm}^3$   
 22. A grade I class has 25 girls and 20 boys. What is the ratio of the girls to boys?  
 A. 1 : 2 B. 4 : 5 C. 5 : 4 D. 3 : 2  
 23. On a bus 40% of the passengers were children. There were 54 adults. How many people were on the bus altogether?  
 A. 36 B. 81 C. 90 D. 135  
 24. The average mass of 4 children is 45,5 kg. What is their total mass?  
 A. 90 kg B. 182 kg C. 11,4 kg D. 180 kg  
 25. Find the area of this shape?



- A.  $36\text{ cm}^2$  B.  $10\text{ cm}^2$  C.  $12\text{ cm}^2$  D.  $18\text{ cm}^2$   
 26. At how much should I sell a machine bought for \$ 1 135,60 to make a profit of \$ 416,70.  
 A. 1 552,30 B. \$ 890,10 C. 1 550,40 D. 718,90  
 27. In a class of 50 pupils, 6 of the pupils are twins. What percentage of the class are twins.  
 A. 6 % B. 12 % C. 8,3 % D. 8 %  
 28. John's watch shows 1.35 am. It is 6 minutes ahead. What is the correct time?  
 A. 1.41 am B. 1.30 am C. 7.35 am D. 1.29 am  
 29. How many bottles holding 750 ml can be filled from a container holding 9 litres?  
 A. 20 B. 12 C. 24 D. 9



The size of the angle x in the triangle below is  
 A.  $30^\circ$  B.  $160^\circ$  C.  $150^\circ$   
 D.  $60^\circ$

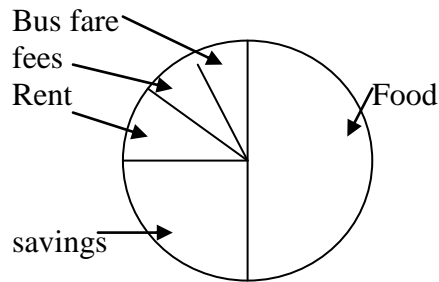
31.  $(75 + 15) \times 0 =$  A. 90 B. 0 C. 60 D. 80  
 32. Rudo and Chipu shared an orange equally. Chipu later on shared her fraction of the orange equally with Sihle. What fraction of the orange does Sihle get?  
 A.  $\frac{1}{2}$  B.  $\frac{1}{4}$  C.  $\frac{1}{3}$  D.  $\frac{1}{6}$   
 33.  $9,32 - 0,4 =$  A. 9,72 B. 8,92 C. 23,3 D. 3,23  
 34. The highest common factor (H.C.F) of 12, 24, and 48 is \_\_\_\_  
 A. 24 B. 48 C. 12 D. 6

35. If  $\frac{2}{3}$  of a number is 42, the number is  
 A. 14            B. 21            C. 28            D. 63
36. In 1992 Tatenda School had a total enrolment of 520 pupils. In 1993 the school's enrolment dropped by 5%. What was the total enrolment in 1993?  
 A. 26            B. 494            C. 546            D. 510
37. Farai had \$ 200. She used 0,5 of it on food and 0,25 on rent. She saved half of the remainder in the bank. How much did she save in the bank?  
 A. \$ 50            B. \$ 100            C. \$ 75            D. \$ 25
38. 0,6 as a common fraction is \_\_\_\_  
 A.  $\frac{5}{6}$             B.  $\frac{6}{20}$             C.  $\frac{3}{5}$             D.  $\frac{4}{10}$
39. How far is it from Bulawayo to Chiredzi?  
 A. 558 km            B. 483 km            C. 252 km            D. 452 km

Beitbridge

460	Birchnough		
321	452	Bulawayo	
566	106	558	Chimanimani
301	199	483	252      Chiredzi

40. When you are in Beitbridge from which of these places are you furthest?  
 A. Chimanimani            B. Bulawayo            C. Chiredzi            D. Birchnough
41. The chart shows how Mr. Shava spends his salary in a month. What fraction does he save?



- A.  $\frac{1}{3}$             B.  $\frac{1}{2}$             C.  $\frac{1}{4}$             D.  $\frac{2}{3}$
42. 
$$\begin{array}{r} 4\ 106 \\ 2\ 534 \\ +1\ 056 \\ \hline \end{array}$$
  
 A. 7 705            B. 7 696            C. 6 705            D. 7 777
43. 
$$\begin{array}{r} 9\ 012 \\ -7\ 840 \\ \hline \end{array}$$
  
 A. 1 072            B. 1 172            C. 4 132            D. 3 211
44.  $36 - N = 19$     N is            A. 17            B. 49            C. 18            D. 27
45. What is the value of three \$ 10 notes, two \$5 notes and five 5 cent coins?  
 A. \$ 40,25            B. \$30,25            C. \$35,25            D. \$37,25

46. What do we call a triangle with 3 equal sides and 3 equal angles?  
A. scalene    B. isosceles    C. equilateral    D. obtuse
47. The difference between two numbers is 9. The larger number is 23. What is the smallest number?  
A. 32    B. 14    C. 22    D. 26
48. A rectangular pool measuring 20m by 5m has a capacity of  $120\text{m}^3$ . its depth is  
A. 1,2m    B. 4,8m    C. 6m    D. 12m
49. Sarah is facing North. She turns in a clockwise direction 3 right angles. She is now facing \_\_\_\_\_  
A. East    B. West    C. South    D. North
50. What is the area of a square whose one side is 5cm?  
A.  $250\text{ cm}^2$     B.  $25\text{ cm}^2$     C.  $5\text{ cm}^2$     D.  $10\text{ cm}^2$