|  |
| --- |
|  |

**Part A: Multiple Choice - Circle the letter of the correct answer. (20 marks)**

1. Estimate which answer is **less** than 1.



a) b) c) d)

2. Which quiz mark would be the same as 80%?



a) b)

c) d)

3. What is the best estimate for the percentage that is **shaded in the diagram**?

a) 33% b) 50% c) 66% d) 110%

4. How much is  of 35 ?

1. 175 b) 70 c) 14 d) 7

5. A recipe calls for  of a cup of sugar. Jordan wants to make  of the recipe. How much sugar will Jordan need?

1.  B.  C.  D. 

6. In the gym  of the people are men,  of the people are women, and the rest are children. If there are 420 people in the gym, how many are children?

A. 105 B. 175 C. 245 D. 120

7. Which answer is least ?

A. 3 - 1

1.  + 
2. 1 + 1 
3. 2 - 

8. Which of the following fractions can be written as a terminating decimal?

A.  B.  C.  D. 

9. Which decimal represents  ?

1. 0.125 B. 0.58 C. 0.6 D. 0.625

10. 1 is fractions between which set of numbers?

A. 1.3 and 1.4

B. 1.2 and 1.3

C. 1.1 and 1.2

D. 1.4 and 1.5

11. Write the fraction in simplest form (lowest terms)

1. 
2. 
3. 
4. 

12. Which does not mean 75%?

1. 
2. 0.75
3. 
4. 

13. If = 0.090909…. = 0.181818…. = 0.272727….. Then 0.6363636……would equal:

1. 
2. 
3. 
4. 

14. What is of 27?

1. A. 9 B. 18 C. 40.5 D. 54

15. Express 47 % as a decimal.

1. 0.0047 B. 4.7 C. 0.47 D. 470

16. Which number completes the equivalent fraction?  = 

1. 11
2. 14
3. 24
4. 27

17. Which fraction is in lowest terms?

1. 
2. 
3. 
4. 

18. Which is the reciprocal of 1 ?

1. 1 
2. 
3. 
4. 

19. 2  +  + 7  =

1. 9  B. 9  C. 10  D. 10 

20. Which is the reciprocal of ?

1.  B. 1  C.  D. 1 

21.

**Part B: Make sure to answer ALL of the following questions. YOU MUST SHOW YOUR WORK! ALL ANSWERS MUST BE IN LOWEST TERMS. MARKS WILL BE TAKEN OFF IF THEY ARE NOT!**

1. The product of two fractions is . What could they be? (4 marks)

2. How many  litres are in 4  litres? - SHOW YOUR WORK! (5 marks)

3. Use a diagram CLEARLY show  of . What is the answer? ( 6 marks)

4. a). What is a terminating fraction? EXPLAIN it in words and give an example of a fraction that terminates. ( 6 marks )

b). What is a repeating fraction? EXPLAIN it in words and give an example of a fraction that repeats. ( 6 marks)

5. Fill in the blanks in the following table. MAKE SURE TO PUT THE FRACTIONS IN LOWEST TERMS!: (12 marks)

|  |  |  |
| --- | --- | --- |
| Percents | Decimal | Fraction ( lowest terms ) |
|  | 0.50 |  |
|  | 0.1 |  |
|  |  |  |
|  |  |  |
| 250% |  |  |
| 125 % |  |  |

6. Write each fraction in lowest terms: ( 8 marks)

a).  = b).  = c). = d).  =

7. Add the following fractions. MAKE SURE TO SHOW YOUR WORK AND PUT YOUR ANSWERS IN LOWEST TERMS! ( 9 marks )

a).  +  b). 2  + 2  c).  + 

8. Subtract the following fractions. MAKE SURE TO SHOW YOUR WORK AND PUT YOUR ANSWERS IN LOWEST TERMS! ( 9 marks)

a). 1 -  b). 2  -  c).  - 

9. Multiply the following fractions. MAKE SURE TO SHOW YOUR WORK AND PUT YOUR ANSWERS IN LOWEST TERMS! ( 9 marks)

a).  X  b).  of 24 c). 4 X 2

10. Divide the following fractions. MAKE SURE TO SHOW YOUR WORK AND PUT YOUR ANSWERS IN LOWEST TERMS! ( 9 marks)

a).  ÷  b). 4 ÷  c).  ÷ 

**BONUS**

Kelsey received money for her birthday. She spent  of the money on make-up. She donated 

Of what was left to charity. She had $17.50 left. How much did Kelsey receive for her birthday?