Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_

**Rational Numbers Test**

**Directions: DO NOT WRITE ON THIS TEST. ALL ANSWERS MUST GO IN ANSWER BOOKLET. SHOW ALL WORK ON YOUR LOOSE LEAF.**

1. What is the value of -2.4 ÷ 1.5?

 A -1.6

 B -0.9

 C 1.6

2. Which of the following fractions is equal to a terminating decimal?

 A 

 B 

 C 

3. A box of granola contains 16.8 ounces. It costs $5.19. What is the cost, to the nearest cent, of the granola per ounce?

 A $0.12

 B $0.31

 C $3.24

4. What is the value of (−0.8)(4.0)?

 A −4.8

 B −3.2

 C 3.2

5. What is the reciprocal of 7$ \frac{6}{7}$ ?

 A $7\frac{7}{6}$

 B $\frac{55}{7}$

 C $\frac{7}{55}$

6. Part A) Simplify $\frac{97}{9}$ .

Part B) How would you classify this decimal? Circle one:

**Terminating Repeating**

7. What is the number 5$\frac{2}{7}$ written as an improper fraction?

 A $\frac{14}{7}$

 B $\frac{17}{7}$

 C $\frac{37}{7}$

8. A recipe calls for 2$\frac{3}{4}$ cups of milk. If only half of the recipe is made, how much milk should be used?

9. Tyrell was late for class 3 times in the month of June. Each time he was late he missed 5 $\frac{1}{2}$ minutes of class time. What is the total amount of class time Tyrell missed in the month of June?

10. How many $\frac{4}{5}$ ounces of peanuts are in a package that weighs 12 ounces?

 A 15

 B 9.6

 C $\frac{1}{15}$

11. Jane worked 3 $\frac{1}{6}$ hours in the morning and 3 $\frac{1}{2}$ hours in the afternoon.

Part A) How many hours did she work today?

Part B) If she earns $6 per hour, how much money did she earn today?

12. Tim’s mother worked 30 $\frac{1}{3}$ hours last week. She worked 28 $\frac{5}{6}$ hours this week. How many more hours did she work last week than this week?

 A 59 $\frac{1}{6}$

 B 2 $\frac{1}{2}$

 C 1$ \frac{1}{2}$

13. Sam has a box of straws. The sizes are $\frac{2}{5}$ , $\frac{1}{5}$ , $\frac{1}{8}$ , $\frac{5}{2}$ , and $\frac{3}{4}$. How can he order them from least to greatest?

14. Sam waited 1 $\frac{2}{5}$ hours to get her car’s oil changed. Magda waited 1 $\frac{3}{8}$ hours to get her oil changed. Who waited longer?

15. What is the product of -0.2 and -6.8?

16. Tyra’s purse weighs 2 $\frac{7}{8}$ pounds. What is the weight of her purse expressed as a decimal?

 A 0.875

 B -2.875

 C 2.875

17. Manny drove 458.75 miles on Monday, 93.75 miles on Tuesday, and 57.5 miles on Wednesday. How many miles did he drive in the three days?

18. Kai earned $3,457.32 last month. He paid $979.50 for a new television. How much money does he have left?

19. Damian’s computer repair shop earned $2,500.47 in income last week. Expenses were $3,750.35.

Part A) Determine the difference between the earnings and expenses.

Part B) Was this a **profit** or **loss**? Explain.

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20. Karen bought a handbag for $55. Anna spent 1.5 times as much on hers. How much did Anna spend?

21. Melanie drove 1,190 miles in 2.8 days to visit her grandmother. How many average miles did she drive each day?

22. What is the value of -1$\frac{2}{3}$ ÷ 1$\frac{7}{18}$ expressed as a fraction in simplest form?

 A -1$ \frac{1}{5}$

 B -2$ \frac{17}{54}$

 C -1 $\frac{1}{6}$