**RESEARCH INSTRUMENT**

**Directions:** Read the directions from test A to test F. Write only the letter of your answers.

**Test A:** Choose the correct answers.

1. What is proper fraction?
2. It is where numerator is less than denominator.
3. It is where numerator is greater than denominator.
4. It is a combination of proper fraction and a whole number.
5. Both A and B.
6. What is improper fraction?
7. It is where numerator is less than the denominator.
8. It is where numerator is greater than denominator.
9. It is a combination of proper fraction and a whole number.
10. Both A and B.
11. What is mixed number?
12. It is where numerator is less than denominator.
13. It is where numerator is greater than denominator.
14. It is a combination of proper fraction and a whole number.
15. Both A and B.
16. How to add similar fractions?
17. Add the numerators and copy the common denominator.
18. Add both numerators and denominators.
19. Get the LCD, then add the numerators and copy the common denominator.
20. Either B or C.
21. How to add dissimilar fractions?
22. Add the numerators and copy the common denominator.
23. Add both numerator and denominator.
24. Get the LCD, then add the numerators and copy the common denominator.
25. Either A or B.
26. Which of the following is an example of proper fraction?
27. 2/3
28. 1 ¼
29. 3/2
30. 1
31. Which of the following is an example of improper fraction?
32. 2/3
33. 1 ¼
34. 3/2
35. 1
36. Which of the following is an example of similar fraction?

A. ½ ; 1/3; ¼

B. 1 1/2 ; 1 ¼ ; 1 ¾

C. 1/5 ; 3/5 ; 4/5

D. 1 ½ ; 1 ¼ ; 1 1/8

1. Which of the following is an example of dissimilar proper fraction?

A. ½ ; 1/3 ; ¼

B. 1 ½ ; 1 ¼; 1 ¾

C. 1/5 ; 3/5 ; 4/5

D. 1 ½ ; 1 ¼ ; 1 1/8

1. In the equation 1/4+ 2/4 = 3/4 , what is ¾?
   1. Addends
   2. Difference
   3. Sum
   4. Product
2. In the equation 1/4 + 2/4 = ¾ , what is ¼ and 2/4?
   1. Addends
   2. Minuend
   3. Sum
   4. Subtrahend
3. In the equation 3/4 – 2/4= ¼ , what is ¼?
   1. Addends
   2. Difference
   3. Sum
   4. Product
4. What is to be added to 1/6 to get the answer of 5/6?
   1. 4/6
   2. 4/0
   3. 2/3
   4. either A or B.
5. What is to be subtracted from 1/3 to get the answer of 1/12?
   1. ¼
   2. 1/9
   3. ¾
   4. 0/9
6. What is to be subtracted from ¾ to get the answer of ¼?
   1. ½
   2. 2/0
   3. 2/4
   4. either A or B.
7. What will be the answer if 1/3 is added to 2/6?
   1. 4/6
   2. 3/9
   3. 2/3
   4. either A or B.
8. What is to be added to 2/7 to get the answer of 5/7?
   1. 7/7
   2. 7/14
   3. 3/7
   4. 3/0
9. What is the difference if ½ is subtracted from 4/5?
   1. 3/3
   2. 5/7
   3. 3/10
   4. 3/7

**Test B:** Add the following fractions.

1. 3/7 + 2/7=\_\_\_\_\_\_
   1. 5/7
   2. 6/7
   3. 5/14
   4. 6/14
2. 3/5 + 1/5 + 4/5 =\_\_\_\_\_\_
   1. 8/15
   2. 1 3/5
   3. 12/5
   4. 2 2/5
3. 1/3 + 1/6 + 1/3 =\_\_\_\_\_\_\_
   1. 5/6
   2. 3/12
   3. 1/12
   4. 3/6

**Test C:** Subtract the following fractions.

1. 5/8 – 2/8 =\_\_\_\_\_\_\_
   1. 3/8
   2. 3/16
   3. 3/0
   4. 3/64
2. 4/5 - 1/5 -2/5 =\_\_\_\_\_\_\_
   1. 1/5
   2. 1/0
   3. 1/15
   4. 1/100
3. 1/3 – 1/6 =\_\_\_\_\_\_\_
   1. 0/3
   2. 1/6
   3. 1/3
   4. 1/9

25. 4/5 – 1/2 =\_\_\_\_\_\_\_

1. 3/3
2. 5/10
3. 3/10
4. 3/7

**Test D.** Analyze the following problem

26. Lola Flora bought 3/4 kg. of chicken. She cooked 1/4 kg. and refrigerate the rest. How many kilograms of chicken were left?

1. 1/4 kg
2. 1kg
3. 1/2 kg
4. 2/0

27. A blouse requires 3/4 m of cloth, how many meters of cloth needed if Ana had already 1/2 m?

1. 2/3
2. ¼
3. B. 4/6
4. 2/2

**Test E:** Evaluate the equation below, and choose the correct answer.

28. 6/7 + 1/14 = 13/ 14

1. The equation is completely correct.
2. The equation is completely wrong.
3. One of the addends should be 7/7.
4. The sum is wrong. It should be 7/14.

**Test F:** Write an equation that satisfies the given conditions.

29. Conditions:

* 1. The answer is 3/4.
  2. The operation to be used is addition.
  3. The addends must be dissimilar fractions.

30. Conditions:

* + 1. The answer is 2/3.
    2. The operation to be used is subtraction.
    3. Both subtrahend and minuend must be similar fractions.

**SPSS RESULT**









