4.NF.3.A-TEST1B Understand addition and subtraction of fractions
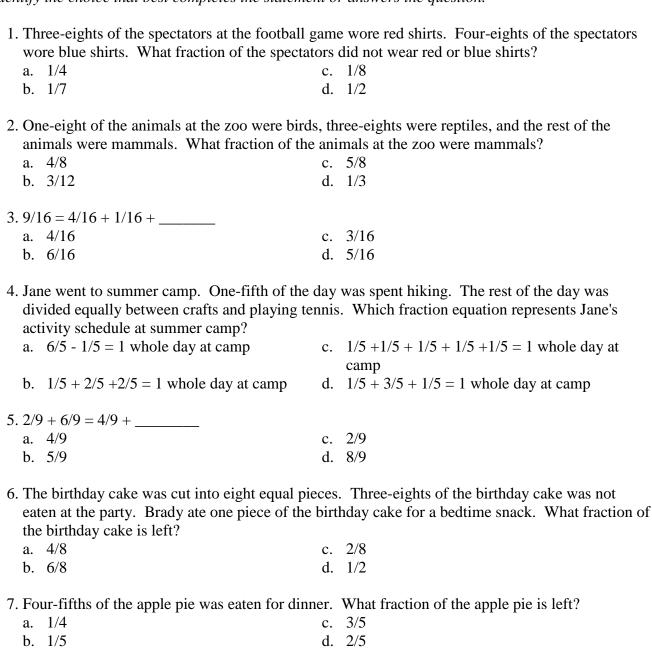
Multiple Choice
Identify the choice that best completes the statement or answers the question.

1. Three-eights of the spectators at the football game wore red shirts. Four-eights of the spectators wore blue shirts. What fraction of the spectators did not wear red or blue shirts?
   a. 1/4
   b. 1/7
   c. 1/8
   d. 1/2

2. One-eight of the animals at the zoo were birds, three-eights were reptiles, and the rest of the animals were mammals. What fraction of the animals at the zoo were mammals?
   a. 4/8
   b. 3/12
   c. 5/8
   d. 1/3

3. $9/16 = 4/16 + 1/16 +$ _____
   a. 4/16
   b. 6/16
   c. 3/16
   d. 5/16

4. Jane went to summer camp. One-fifth of the day was spent hiking. The rest of the day was divided equally between crafts and playing tennis. Which fraction equation represents Jane's activity schedule at summer camp?
   a. $6/5 - 1/5 = 1$ whole day at camp
   b. $1/5 + 2/5 + 2/5 = 1$ whole day at camp
   c. $1/5 + 1/5 + 1/5 + 1/5 + 1/5 = 1$ whole day at camp
   d. $1/5 + 3/5 + 1/5 = 1$ whole day at camp

5. $2/9 + 6/9 = 4/9 +$ _____
   a. 4/9
   b. 5/9
   c. 2/9
   d. 8/9

6. The birthday cake was cut into eight equal pieces. Three-eights of the birthday cake was not eaten at the party. Brady ate one piece of the birthday cake for a bedtime snack. What fraction of the birthday cake is left?
   a. 4/8
   b. 6/8
   c. 2/8
   d. 1/2

7. Four-fifths of the apple pie was eaten for dinner. What fraction of the apple pie is left?
   a. 1/4
   b. 1/5
   c. 3/5
   d. 2/5

8. Jared mowed 3/7 of the lawn. His father mowed 2/7 of the lawn. What fraction of the lawn did they mow?
   a. 5/7
   b. 3/7
   c. 2/7
   d. 6/7

9. $7/10 = 5/10 +$ _____

a. 3/10
b. 5/10

c. 1/10
d. 2/10

10. The fourth grade class earned money for the school picnic. They spent 3/5 of the money on food and 1/5 of the money to buy paper plates and cups. What fraction of their money was not spent?

a. 3/5
b. 1/5

c. 2/5
d. 4/5

Answer 1: C

Fractions can be composed (added together) and decomposed (broken into smaller parts). Remember, fractions must have common or the same denominator when they are added or subtracted.

Examples:

$2/9 + 5/9 = 7/9$ common denominator is 9

$7/16 = 5/16 + 2/16$ common denominator is 16

$7/16 - 6/16 = 1/16$ common denominator is 16

Answer 2: A

Answer 3: A

Answer 4: B

Answer 5: A

Answer 6: C

Answer 7: A

Answer 8: A

Answer 9: D

Answer 10: B