4.NF.3.B-TEST 1C Understand addition and subtraction of fractions

Multiple Response
Identify one or more choices that best complete the statement or answer the question.

Two ways to decompose or break apart the mixed number 3 1/2 are:
a. 3 1/2 = 1 1/2 + 1 1/2
b. 3 1/2 = 2 1/4 + 2 1/4
c. 3 1/2 = 2 1/2 + 1
d. 3 1/2 = 3 + 1/4 + 1/4

Two ways to decompose or break apart the mixed number 6 7/11 are:
a. 6 7/11 = 5 5/11 + 1 2/11
b. 6 7/11 = 5 5/11 + 2/11
c. 6 7/11 = 6 + 4/11 + 4/11
d. 6 7/11 = 3 4/11 + 3 3/11

Two ways to decompose or break apart the mixed number 5 3/8 are:
a. 5 3/8 = 4 3/8 + 1
b. 5 3/8 = 3 1/8 + 2 2/8
c. 5 3/8 = 4 1/8 + 2/8
d. 5 3/8 = 3 2/8 + 2 2/8

Two ways to decompose or break apart the mixed number 4 11/12 are
a. 4 11/12 = 4 + 4/12 + 4/12 + 2/12
b. 4 11/12 = 2 5/12 + 2 4/12 + 2/12
c. 4 11/12 = 2 6/12 + 1 3/12 + 1 2/12
d. 4 11/12 = 3 9/12 + 1 3/12

Two ways to decompose or break apart the mixed number 3 7/9 are:
a. 3 7/9 = 2 + 1 5/9 + 2/9
b. 3 7/9 = 2 6/9 + 1 2/9
c. 3 7/9 = 3 + 4/9 + 3/9
d. 3 7/9 = 3 + 4/9 + 4/9

Two ways to decompose or break apart the mixed number 9 4/5 are:
a. 9 4/5 = 5 + 4 4/5
b. 9 4/5 = 9 + 3/5 + 1/5
c. 9 4/5 = 7 2/5 + 1 2/5
d. 9 4/5 = 8 4/5 + 2

Two ways to decompose or break apart the mixed number 5 7/8 are:
a. 5 7/8 = 4 6/8 + 1 1/8
b. 5 7/8 = 5 + 4/8 + 4/8
c. 5 7/8 = 3 6/8 + 1 1/8
d. 5 7/8 = 3 4/8 + 2 3/8

Two ways to decompose or break apart the mixed number 4 8/10 are
a. 4 8/10 = 2 4/10 + 2 4/10
b. 4 8/10 = 3 5/10 + 1 3/10
c. 4 8/10 = 2 5/10 + 2 2/10
d. 4 8/10 = 4 + 6/10 = 1/10

Two ways to decompose or break apart the mixed number 2 2/3 are
a. 2 2/3 = 2 1/3 + 1
b. 2 2/3 = 2 + 2/3
c. 2 2/3 = 1 1/3 + 1
d. 2 2/3 = 1 1/3 + 1 1/3

Two ways to decompose or break apart the mixed number 4 5/6 are:
a. 4 5/6 = 4 1/6 + 3/6
b. 4 5/6 = 2 1/6 + 2 1/6 + 1/6
c. 4 5/6 = 3 3/6 + 1 1/6 + 1/6
d. 4 5/6 = 2 3/6 + 2 2/6

Answer 1: C,D

Fractions and mixed numbers can be broken apart or decomposed in more than one way.

Fraction example: $7/8 = 4/8 + 3/8$ -or- $7/8 = 1/2 + 1/8 + 1/8 + 1/8$

Mixed number example: $3\ 4/9 = 3 + 3/9 + 1/9$ -or- $3\ 4/9 = 3 + 1/3 + 1/9$

Answer 2: A, D

Answer 3: A, B

Answer 4: B, C

Answer 5: A, C

Answer 6: A, B

Answer 7: A, D

Answer 8: A, B

Answer 9: B, D

Answer 10: C, D