Contemporary Mathematics for Business and Consumers 9th edition Brechner Test Bank

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Chapter 02 - Fractions

1. A mathematical way of expressing a part of a whole thing is called a(n) _____.

ANSWER: fraction
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.1 - LO: 2-1
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Remembering
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2. The number on the bottom of the division line of a fraction is called the _____.

ANSWER: denominator
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.1 - LO: 2-1
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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3. A fraction in which the numerator is smaller than the denominator is called a(n) _____.

ANSWER: common fraction
proper fraction
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.1 - LO: 2-1
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4. The number on the top of the division line of a fraction is called the _____.

ANSWER: numerator
POINTS: 1
DIFFICULTY: Easy

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QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
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5. A(n) _____ combines a whole number with a proper fraction.
ANSWER: mixed number
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.1 - LO: 2-1
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6. The least common denominator is the _____, and therefore most efficient, common denominator in addition or subtraction of fractions.
ANSWER: smallest
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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7. A whole number divisible only by itself and l is called a(n) _____.
ANSWER: prime number
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6

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8. Proper fractions that have the same denominator in addition or subtraction are called _____ fractions.
ANSWER: like
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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9. Inverted numbers are known as _____ of each other.
ANSWER: reciprocals
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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10. In division of fractions, the _____ is inverted.
ANSWER: divisor
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
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11. A useful shortcut which simplifies the multiplication of fractions is called _____.

ANSWER: cancellation
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Completion
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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12. Identify the type of fraction and write it in word form: $\frac{10}{3}$

a. proper fraction, ten-thirds
b. improper fraction, ten-thirds
c. improper fraction, ten-threes
d. proper fraction, ten-threes

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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13. Identify the type of fraction and write it in word form: $24\frac{19}{20}$

a. proper fraction, twenty-four and nineteen-twentieths
b. improper fraction, twenty-four and nineteen-twentieths
c. mixed number, twenty-four and nineteen-twentieths
d. mixed number, twenty-four and nineteen-twenties

ANSWER: c
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
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14. Identify the type of fraction and write it in word form: $\frac{7}{30}$

a. proper fraction; seven-thirtieths
b. mixed number; seven-thirtieths
c. improper fraction; seven-thirtieths
d. proper fraction; seven thirty

ANSWER: a
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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15. Identify the type of fraction and write it in word form: $\frac{43}{10}$

a. improper fraction; forty-three ten
b. proper fraction; forty-three-tenths
c. improper fraction; forty-three-tenths
d. mixed number; forty-three-tenths

ANSWER: c
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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16. Convert the following improper fraction to a whole number or a mixed number: $\frac{131}{16}$

a. 8
b. $8\frac{3}{16}$
c. $\frac{131}{16}$

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d. $\frac{65}{8}$

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.2 - LO: 2-2
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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17. Convert the following improper fraction to a whole number or a mixed number: $\frac{80}{8}$

a. $\frac{1}{7}$
b. 77
c. 100
d. 10

ANSWER: d
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.2 - LO: 2-2
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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18. Convert the following improper fraction to a whole number or a mixed number: $\frac{41}{6}$

a. $6\frac{5}{6}$
b. 6.83
c. $6\frac{2}{3}$
d. 7

ANSWER: a
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False

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LEARNING OBJECTIVES: DESC.BREC.17.2.2 - LO: 2-2
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19. Convert the following mixed number to an improper fraction: $13\frac{5}{6}$

a. $\frac{78}{6}$
b. $\frac{73}{6}$
c. $\frac{83}{6}$
d. $\frac{83}{5}$

ANSWER: c
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.3 - LO: 2-3
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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20. Convert the following mixed number to an improper fraction: $9\frac{5}{14}$

a. $\frac{126}{14}$
b. $\frac{131}{14}$
c. $\frac{121}{14}$
d. $\frac{3}{14}$

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.3 - LO: 2-3
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21. Convert the following mixed number to an improper fraction: $12\frac{3}{4}$

a. $\frac{123}{4}$
b. $12\frac{3}{4}$
c. $\frac{36}{4}$
d. $\frac{51}{4}$

ANSWER: d
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.3 - LO: 2-3
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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22. Convert the fraction to higher terms. Enter the value of the missing denominator: $\frac{2}{3} = \frac{14}{\quad}$

a. 21
b. 28
c. 42
d. 78

ANSWER: a
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.4 - LO: 2-4
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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23. Reduce the fraction to lowest terms: $\frac{9}{17}$

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a. $1\frac{8}{17}$

b. $\frac{9}{17}$

c. $\frac{3}{5}$

d. $\frac{3}{6}$

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.4 - LO: 2-4
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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24. Reduce the following fraction to lowest terms: $\frac{6}{78}$

a. $\frac{3}{78}$

b. $\frac{6}{78}$

c. $\frac{3}{39}$

d. $\frac{1}{13}$

ANSWER: d
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.4 - LO: 2-4
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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25. Convert the following improper fraction to a whole number or a mixed number: $\frac{169}{13}$

a. 13

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b. $13\frac{1}{8}$

c. $\frac{131}{16}$

d. $\frac{65}{8}$

ANSWER: a
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.2 - LO: 2-2
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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26. Convert the fraction to higher terms. Enter the value of the missing numerator: $\frac{5}{13} = \frac{?}{78}$

a. 6
b. 15
c. 30
d. 11

ANSWER: c
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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27. Convert the fraction to higher terms. Enter the value of the missing numerator: $\frac{3}{13} = \frac{?}{78}$

a. 9
b. 3
c. 18
d. 27

ANSWER: c
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice

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LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
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28. Convert the fraction to higher terms. Enter the value of the missing numerator: $\frac{1}{4} = \frac{?}{84}$

a. 14
b. 21
c. 42
d. 84

ANSWER: b
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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29. Find the least common denominator of the fractions: $\frac{1}{8}, \frac{17}{18}, \frac{1}{16}, \frac{9}{14}$

a. 32,256
b. 1,008
c. 18
d. 288

ANSWER: b
POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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30. Find the least common denominator of the fractions: $\frac{7}{8}, \frac{1}{18}, \frac{7}{12}, \frac{11}{16}$

a. 154

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b. 18
c. 144
d. 27,648

ANSWER: c
POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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31. Find the least common denominator of the fractions: $\frac{5}{8}, \frac{1}{18}, \frac{5}{9}, \frac{9}{14}$

a. 49
b. 18
c. 8
d. 504

ANSWER: d
POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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32. Find the least common denominator of the fractions: $\frac{1}{8}, \frac{4}{5}, \frac{11}{14}, \frac{11}{10}$

a. 504
b. 280
c. 39
d. 560

ANSWER: b
POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6
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33. Add and show as reduced mixed number or proper fraction: $\frac{1}{8} + \frac{7}{8} + \frac{7}{8} =$

a. $\frac{15}{8}$
b. $1\frac{7}{8}$
c. $\frac{15}{24}$
d. $1\frac{15}{8}$

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
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34. Verna shipped three packages to Chicago. If the packages weighed $12\frac{1}{2}$, $35\frac{1}{4}$, and $41\frac{7}{20}$ pounds, what was the total weight?

a. $89\frac{1}{10}$ pounds
b. $87\frac{7}{10}$ pounds
c. $84\frac{13}{20}$ pounds
d. $89\frac{19}{20}$ pounds

ANSWER: a
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
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35. Lee shipped three packages to New York. If the packages weighed $27\frac{1}{6}$, $40\frac{1}{3}$, and $10\frac{5}{6}$ pounds, what was the total weight?

a. $72\frac{11}{10}$ pounds

b. 73 pounds

c. $78\frac{1}{3}$ pounds

d. $72\frac{1}{10}$ pounds

ANSWER: c
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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36. Subtract and reduce: $\frac{14}{15} - \frac{4}{9} =$

a. $1\frac{15}{45}$

b. $\frac{10}{15}$

c. $\frac{22}{45}$

d. $\frac{2}{3}$

ANSWER: c
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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37. Multiply and reduce the following: $\frac{2}{4} \times \frac{2}{8} =$

a. $\frac{1}{8}$

b. $\frac{1}{6}$

c. $\frac{4}{32}$

d. $\frac{1}{3}$

ANSWER: a
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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38. Multiply and reduce the following: $\frac{5}{6} \times \frac{3}{5} \times \frac{1}{7} =$

a. $\frac{15}{210}$

b. $\frac{15}{18}$

c. $\frac{5}{6}$

d. $\frac{1}{14}$

ANSWER: d
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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39. A panel measures $5\frac{2}{5}$ yards long by $7\frac{4}{5}$ yards wide. What is the area of the panel? (Multiply length times width.)

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a. $42\frac{3}{25}$

b. $35\frac{1}{5}$

c. $41\frac{3}{5}$

d. $34\frac{4}{25}$

ANSWER: a
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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40. Multiply and reduce: $\frac{4}{5} \times \frac{10}{15} =$

a. $\frac{40}{75}$

b. $\frac{7}{10}$

c. $\frac{8}{15}$

d. $\frac{4}{7}$

ANSWER: c
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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41. Divide the following fractions and reduce to lowest terms: $\frac{2}{3} \div \frac{4}{5} =$

a. $\frac{6}{15}$

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b. $\frac{5}{6}$

c. $\frac{2}{5}$

d. $\frac{3}{4}$

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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42. Divide the following fractions and reduce to lowest terms: $3 \div \frac{3}{4} =$

a. 4

b. $5\frac{1}{4}$

c. $\frac{1}{4}$

d. $\frac{9}{12}$

ANSWER: a
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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43. Divide and reduce: $\frac{7}{12} \div \frac{12}{16} =$

a. $\frac{84}{160}$

b. $\frac{7}{9}$

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c. $\frac{42}{80}$

d. $\frac{21}{40}$

ANSWER: b
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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44. Divide and reduce: $\frac{12}{14} \div \frac{10}{12} =$

a. $\frac{120}{168}$

b. $\frac{36}{14}$

c. $\frac{18}{7}$

d. $1\frac{1}{35}$

ANSWER: d
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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45. Convert the following improper fraction to a whole number or a mixed number: $\frac{55}{5}$

a. $11\frac{1}{5}$

b. $55\frac{1}{5}$

c. $11\frac{5}{5}$

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d. 11

ANSWER: d
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.2 - LO: 2-2
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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46. Reduce the fraction: $\frac{13}{15}$

a. $1\frac{2}{15}$

b. $\frac{3}{5}$

c. $\frac{13}{15}$

d. $\frac{4}{15}$

ANSWER: c
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.4 - LO: 2-4
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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47. Reduce the following fraction to lowest terms: $\frac{16}{84}$

a. $\frac{8}{42}$

b. $\frac{1}{6}$

c. $\frac{2}{24}$

d. $\frac{4}{21}$

ANSWER: d

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POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.4 - LO: 2-4
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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48. Convert the fraction to a higher term, as indicated: $\frac{5}{8}$ to thousands

a. $\frac{375}{1000}$
b. $\frac{625}{1000}$
c. $\frac{525}{1000}$
d. $\frac{825}{1000}$

ANSWER: b
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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49. Add and reduce: $4\frac{3}{7} + 2\frac{5}{9} + 4 + \frac{2}{3} =$

a. $11\frac{1}{3}$
b. $12\frac{5}{7}$
c. $12\frac{5}{63}$
d. $11\frac{41}{63}$

ANSWER: d
POINTS: 1
DIFFICULTY: Challenging

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QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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50. Subtract and reduce the following: $\frac{1}{9} - \frac{1}{10} =$

a. $\frac{1}{10}$
b. $\frac{1}{90}$
c. $\frac{1}{9}$
d. 1

ANSWER: b
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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51. Identify the type of fraction and write it in word form: $5\frac{33}{10}$

a. improper fraction; thirty-three ten
b. proper fraction; thirty-three-tenths
c. improper fraction; five and ten-thirty-thirds
d. mixed number; five and thirty-three-tenths

ANSWER: d
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.1 - LO: 2-1
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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52. Convert the following mixed number to an improper fraction: $14\frac{3}{16}$

a. $\frac{123}{16}$

b. $\frac{227}{16}$

c. $5\frac{123}{16}$

d. $\frac{51}{4}$

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.3 - LO: 2-3
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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53. Divide the following fractions and reduce to lowest terms: $\frac{8}{15}$ divided by $\frac{16}{30}$

a. 1

b. $\frac{15}{16}$

c. $\frac{2}{5}$

d. $\frac{3}{4}$

ANSWER: a
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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54. Identify the type of fraction and write it in word form: $33\frac{3}{8}$

ANSWER: mixed number; thirty-three and three-eighths

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POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.1 - LO: 2-1
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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55. Identify the type of fraction and write it in word form: $\frac{5}{17}$

ANSWER: proper fraction; five-seventeenths
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.1 - LO: 2-1
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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56. Identify the type of fraction and write it in word form: $\frac{12}{12}$

ANSWER: improper fraction; twelve-twelfths
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.1 - LO: 2-1
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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57. Convert the improper fraction to a whole or mixed number: $\frac{92}{16}$

ANSWER: $5\frac{3}{4}$
POINTS: 1

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DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.2 - LO: 2-2
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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58. Convert the improper fraction to a whole or mixed number: $\frac{9}{4}$

ANSWER: $2\frac{1}{4}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.2 - LO: 2-2
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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59. Convert the improper fraction to a whole or mixed number: $\frac{35}{6}$

ANSWER: $5\frac{5}{6}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.2 - LO: 2-2
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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60. Convert the improper fraction to a whole or mixed number: $\frac{56}{11}$

ANSWER: $5\frac{1}{11}$

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POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.2 - LO: 2-2
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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61. Convert the mixed number to an improper fraction: $8\frac{5}{6}$

ANSWER: $\frac{53}{6}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.3 - LO: 2-3
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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62. Convert the mixed number to an improper fraction: $8\frac{1}{4}$

ANSWER: $\frac{33}{4}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.3 - LO: 2-3
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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63. Convert the mixed number to an improper fraction: $3\frac{2}{9}$

ANSWER: $\frac{29}{9}$

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POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.3 - LO: 2-3
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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64. Convert the mixed number to an improper fraction: $16\frac{1}{2}$

ANSWER: $\frac{33}{2}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.3 - LO: 2-3
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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65. Reduce the fraction to lowest terms: $\frac{84}{161}$

ANSWER: $\frac{12}{23}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.4 - LO: 2-4
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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66. Reduce the fraction to lowest terms: $\frac{252}{810}$

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ANSWER: $\frac{14}{45}$
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.4 - LO: 2-4
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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67. Reduce the fraction to lowest terms: $\frac{33}{132}$

ANSWER: $\frac{1}{4}$
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.4 - LO: 2-4
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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68. Convert the fraction to a higher term as indicated: $\frac{3}{7}$ to forty-ninths

ANSWER: $\frac{21}{49}$
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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69. Convert the fraction to a higher term as indicated: $\frac{5}{9}$ to thirty-sixths

ANSWER: $\frac{20}{36}$
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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70. Convert the fraction to a higher term as indicated: $\frac{4}{5}$ to hundreds

ANSWER: $\frac{80}{100}$
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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71. Convert the fraction to a higher term as indicated: $\frac{1}{2}$ to eighths

ANSWER: $\frac{4}{8}$
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
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72. Convert the fraction to a higher term as indicated: $\frac{1}{9} = \frac{?}{63}$

ANSWER: $\frac{7}{63}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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73. Convert the fraction to a higher term as indicated: $\frac{5}{18} = \frac{?}{468}$

ANSWER: $\frac{130}{468}$

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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74. Convert the improper fraction to a whole or mixed number: $\frac{9}{5}$

ANSWER: $1\frac{4}{5}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.2 - LO: 2-2
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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75. Convert the fraction to a higher term as indicated: $\frac{13}{16} = \frac{?}{7,200}$

ANSWER: $\frac{5850}{7200}$
POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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76. Find the least common denominator for the fractions: $\frac{2}{3}, \frac{3}{5}, \frac{6}{15}$

ANSWER: 15
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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77. Find the least common denominator for the fractions: $\frac{5}{7}, \frac{1}{4}, \frac{2}{9}, \frac{2}{3}$

ANSWER: 252
POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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78. Find the least common denominator for the fractions: $\frac{16}{25}, \frac{1}{3}, \frac{62}{75}, \frac{19}{20}$

ANSWER: 300
POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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79. Add the fractions and reduce to lowest terms: $\frac{2}{3} + \frac{1}{4} =$

ANSWER: $\frac{11}{12}$
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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80. Add the fractions and reduce to lowest terms: $\frac{9}{16} + \frac{17}{32} =$

ANSWER: $1\frac{3}{32}$
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
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81. Add the fractions and reduce to lowest terms: $\frac{5}{12} + \frac{22}{30} + \frac{14}{15} =$

ANSWER: $2\frac{1}{12}$

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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82. Add the fractions and reduce to lowest terms: $5\frac{1}{2} + 2\frac{3}{8} + \frac{1}{4} =$

ANSWER: $8\frac{1}{8}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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83. Add the fractions and reduce to lowest terms: $6\frac{2}{7} + 13\frac{4}{28} =$

ANSWER: $19\frac{3}{7}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
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84. Add the fractions and reduce to lowest terms: $2\frac{1}{2} + 3\frac{2}{3} =$

ANSWER: $6\frac{1}{6}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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85. Subtract the fractions and reduce to lowest terms: $\frac{5}{6} - \frac{10}{24} =$

ANSWER: $\frac{5}{12}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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86. Subtract the fractions and reduce to lowest terms: $\frac{8}{9} - \frac{21}{27} =$

ANSWER: $\frac{1}{9}$

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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87. Subtract the fractions and reduce to lowest terms: $42\frac{5}{8} - 6\frac{1}{3} =$

ANSWER: $36\frac{7}{24}$

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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88. Subtract the fractions and reduce to lowest terms: $18\frac{2}{5} - \frac{11}{15} =$

ANSWER: $17\frac{2}{3}$

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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89. Subtract the fractions and reduce to lowest terms: $89 - 6\frac{2}{3} =$

ANSWER: $82\frac{1}{3}$

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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90. Multiply the fractions and reduce to lowest terms: $\frac{5}{8} \times \frac{2}{3} =$

ANSWER: $\frac{5}{12}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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91. Multiply the fractions and reduce to lowest terms: $\frac{24}{52} \times \frac{1}{6} =$

ANSWER: $\frac{1}{13}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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92. Multiply the fractions and reduce to lowest terms: $\frac{1}{2} \times \frac{10}{22} \times 2 =$

ANSWER: $\frac{5}{11}$

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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93. Multiply the fractions and reduce to lowest terms: $6\frac{3}{8} \times \frac{24}{7} =$

ANSWER: $21\frac{6}{7}$

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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94. Multiply the fractions and reduce to lowest terms: $4\frac{3}{8} \times \frac{2}{5} =$

ANSWER: $1\frac{3}{4}$

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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95. Multiply the fractions and reduce to lowest terms: $16 \times \frac{5}{9} \times 2\frac{1}{2} =$

ANSWER: $22\frac{2}{9}$

POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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96. Divide the fractions and reduce to lowest terms: $\frac{1}{5} \div \frac{1}{6} =$

ANSWER: $1\frac{1}{5}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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97. Divide the fractions and reduce to lowest terms: $\frac{11}{24} \div \frac{1}{2} =$

ANSWER: $\frac{11}{12}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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98. Divide the fractions and reduce to lowest terms: $4 \div \frac{5}{6} =$

ANSWER: $4\frac{4}{5}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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99. Divide the fractions and reduce to lowest terms: $1\frac{1}{9} \div \frac{2}{3} =$

ANSWER: $1\frac{2}{3}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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100. Divide the fractions and reduce to lowest terms: $\frac{26}{55} \div 18 =$

ANSWER: $\frac{13}{495}$

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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101. Divide the fractions and reduce to lowest terms: $6\frac{1}{8} \div 1\frac{3}{4} =$

ANSWER: $3\frac{1}{2}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
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102. After a party, Duncan noticed that $\frac{3}{8}$ of a pizza was left over. What fractional part of the pizza was eaten?

ANSWER: $\frac{5}{8}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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103. Convert the improper fraction to a whole or mixed number: $\frac{88}{5}$

ANSWER: mixed number; $17\frac{3}{5}$

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.2 - LO: 2-2
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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104. Convert the fraction to a higher terms as indicated: $\frac{3}{7}$ to sixty-thirds

ANSWER: $\frac{27}{63}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.5 - LO: 2-5
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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105. Convert the mixed number to an improper fraction: $13\frac{5}{6}$

ANSWER: $\frac{83}{6}$
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Subjective Short Answer
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.3 - LO: 2-3
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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106. What type of fraction is $\frac{40}{13}$? How would you write this fraction in word form?

ANSWER: improper fraction, forty-thirteenths
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.1 - LO: 2-1
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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107. Convert $\frac{13}{2}$ to a whole or mixed number and write it in words.

ANSWER: $6\frac{1}{2}$, six and one half
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.1 - LO: 2-1
DESC.BREC.17.2.2 - LO: 2-2
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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108. Steph is following a recipe that calls for $4\frac{2}{3}$ pounds of chicken. She would like to increase the serving size and will have to change all the measurements. Before Steph can change the measurements, she must convert the mixed number to an improper fraction. What should be the improper fraction for the chicken measurement?

ANSWER: $\frac{14}{3}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.3 - LO: 2-3
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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109. At the end of the semester, 25 of the 32 students who started an accounting course remained. What fraction represents the total number of students who dropped the course?

ANSWER: $\frac{7}{32}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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110. Rennata shipped three packages to West Virginia. If the packages weighed $14\frac{3}{4}$, $9\frac{1}{6}$, and $24\frac{1}{3}$ pounds, what was the total weight of Rennata's shipment?

ANSWER: $48\frac{1}{4}$

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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111. A plumber cut pieces of pipe with the following measurements: $\frac{5}{18}, \frac{15}{16}, \frac{7}{8}, \frac{5}{12}$

Find the least common denominator.

ANSWER: 144
POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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112. Price is working at the local Jiffy Lube and during his shift, he used the following cases of oil on his jobs: $2\frac{1}{3}, 1\frac{5}{6}, 3\frac{2}{3}$, and $4\frac{4}{9}$

How many cases in total did Price use?

ANSWER: $12\frac{5}{18}$ cases
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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113. Adolia Hunter walked $1\frac{1}{5}$ miles on Monday, $4\frac{3}{4}$ miles on Wednesday, and $2\frac{1}{3}$ miles on Friday. How many total miles did she walk?

ANSWER: $8\frac{17}{60}$ miles
POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Essay
HAS VARIABLES: False

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STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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114. A good planting soil is made up of $9\frac{1}{4}$ pounds of dirt and $3\frac{3}{8}$ pounds of cow manure. How much will the mixture weigh afterwards?

ANSWER: $12\frac{5}{8}$ pounds

POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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115. Ruby and her friends are on a road trip that will take a total of $48\frac{1}{3}$ miles. If Ruby and her friends have already traveled $25\frac{4}{9}$ miles, how many miles are left?

ANSWER: $22\frac{8}{9}$

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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116. Peter Williams sold $41\frac{1}{4}$ acres of his $55\frac{7}{8}$ acre ranch. How many acres does Peter have left?

ANSWER: $14\frac{5}{8}$ acres

POINTS: 1

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DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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117. Moriah bought $41\frac{4}{15}$ pounds of fertilizer but only used $21\frac{1}{5}$ pounds in her garden. How much fertilizer does she have left?

ANSWER: $20\frac{1}{15}$
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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118. Turner Morris weighs $1\frac{3}{4}$ times as much as his sister. If his sister weighs 84 pounds, how much does Turner weigh?

ANSWER: 147 pounds
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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119. A foundation requires $2\frac{1}{2}$ truckloads of concrete. If the concrete truck holds $3\frac{1}{5}$ cubic yards of concrete, how many total cubic yards of concrete are used for the foundation?

ANSWER: 8 cubic yards
POINTS: 1

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DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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120. Four surveys, taken to assess HD television viewers buying patterns, has the following results: $\frac{6}{9}, \frac{4}{6}, \frac{4}{8}, \frac{2}{10}$. In order to find a grand total, these results must be multiplied. What is the grand total of the survey taken?
ANSWER: $\frac{2}{45}$
POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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121. How many $3\frac{1}{3}$ feet pieces of wire can be cut from a piece 68 feet long?
ANSWER: $20\frac{2}{5}$
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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122. Jeremiag Thompson owns $118\frac{3}{4}$ acres of undeveloped land. If the property is divided into $1\frac{1}{4}$ acre pieces, how many homesites can be developed?
ANSWER: 95 homesites

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POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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123. A novelty shop buys beads in bulk from the manufacturer and packages them into $1\frac{4}{5}$pound boxes. How many boxes can be filled from 828 pounds of beads?
ANSWER: 460 boxes
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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124. Eastern Mining Co. mines $7\frac{5}{6}$tons of coal on Monday, $6\frac{7}{8}$tons on Tuesday, and $12\frac{5}{12}$tons on Wednesday. If their goal is to mine 40 tons this week, how many more tons must be mined?
ANSWER: $12\frac{7}{8}$ tons
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
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NATIONAL STANDARDS: United States - BUSPROG: Analytic
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125. Cicely Bosley borrowed $21,600 from the bank. She has repaid $\frac{2}{3}$of the loan. What is the remaining balance owed to

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the bank?

ANSWER: $7,200
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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126. A recent poll showed that 60 of the 540 people interviewed preferred decaffeinated coffee over regular. What fraction of the people preferred regular coffee?

ANSWER: $\frac{8}{9}$
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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127. Chris Spencer increased his earnings by $\frac{2}{3}$ from last year. If he made $36,480 last year, how much did he make this year?

ANSWER: $60,800
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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128. Sunny can assemble $2\frac{1}{4}$ circuit boards in one hour. Astrid can assemble $3\frac{1}{5}$ in one hour. In an 8-hour shift, how many more circuit boards does Astrid assemble than Sunny?

ANSWER: $7\frac{3}{5}$ circuit boards

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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129. Three heirs share an estate of $340,000. Jordan receives $\frac{3}{8}$, Danielle receives $\frac{2}{5}$, and Samuel receives the balance. How much does Samuel receive?

ANSWER: $76,500
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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130. A recipe for a meat casserole calls for $4\frac{1}{2}$ tablespoons of minced garlic. If this recipe serves 8 people, recalculate the amount of garlic needed to serve 6 people.

ANSWER: $3\frac{3}{8}$ tablespoons

POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
DESC.BREC.17.2.9 - LO: 2-9

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131. Cosmos Company uses $3\frac{1}{7}$ square yards of material to make a slip cover for a chair. The material comes in 1,100 square yard rolls that cost $10,150 each.

a. How many slip covers can be made from each roll?
b. What is the cost of each slip cover?

ANSWER:
a. 350 slip covers
b. $29

POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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132. A building has a total area of 20,880 square feet. At the present time, the assembly area occupies $\frac{2}{5}$ of the space, the storage area occupies $\frac{1}{6}$ of the area, and the office occupies the balance of the space.

a. How many square feet of space does the office occupy?

b. If the company wants to increase the size of the assembly area by $\frac{1}{3}$, how many square feet will the assembly area have?

ANSWER:
a. 9,048 square feet
b. 11,136 square feet

POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
DESC.BREC.17.2.8 - LO: 2-8
DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
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133. A roll of material is 257 yards long. Janet Barnett cut $9\frac{3}{4}$, $24\frac{1}{12}$, and $22\frac{1}{6}$ yards from the roll.

a. How much material did Janet cut from the roll?
b. How much material was left on the roll?

ANSWER:
a. 56 yards
b. 201 yards

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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134. Jasmine Jackson sold $22\frac{1}{4}$ acres of her $76\frac{7}{8}$ acre ranch. How many acres does Jasmine have left?

ANSWER: $54\frac{5}{8}$ acres

POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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135. Rod Harris earns $180 per day. On Monday, he only worked $\frac{7}{8}$ of a day. How much did Rod earn?

ANSWER: $157.50
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic

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LEARNING OBJECTIVES: DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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136. If a stone cutter has $\frac{3}{4}$ of an ounce of a precious stone and it takes $\frac{1}{8}$ ounce of that stone to make one ring. How many rings can the stone cutter make from the precious stone that he has?
ANSWER: 6
POINTS: 1
DIFFICULTY: Easy
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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137. A recent poll showed that 54 of the 620 people interviewed preferred non-alcoholic beer over regular. What fraction of the people preferred regular beer?
ANSWER: $\frac{283}{310}$
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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138. During the week, Ivey earned $\frac{1}{4}$ and $\frac{1}{3}$ of her monthly bonus on two sales transactions. If those bonuses amounted to $840.00, how much was her monthly bonus?
ANSWER: $1,440.00
POINTS: 1
DIFFICULTY: Challenging
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic

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LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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139. A tailor needs $3\frac{1}{2}$ yards of cloth in order to make a jacket. He needs $2\frac{5}{8}$ yards in order to make the slacks to complete the suit. If he makes four suits, how much cloth will he need?
ANSWER: $24\frac{1}{2}$
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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140. A board is $9\frac{3}{4}$ feet in length. A carpenter intends to cut blocks from that board of $1\frac{5}{8}$ feet in length. How many full sizes pieces can be cut from that board of wood?
ANSWER: 6
POINTS: 1
DIFFICULTY: Moderate
QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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141. At the end of the semester, 14 of the 29 students who started a Physics course remained. What fraction represents the total number of students who dropped the course?
ANSWER: $\frac{15}{29}$
POINTS: 1
DIFFICULTY: Easy

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QUESTION TYPE: Essay
HAS VARIABLES: False
STUDENT ENTRY MODE: Basic
LEARNING OBJECTIVES: DESC.BREC.17.2.10 - LO: 2-10
NATIONAL STANDARDS: United States - BUSPROG: Analytic
KEYWORDS: Bloom's: Applying
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142. A fraction representing less than a whole unit where the numerator is less than the denominator is called a mixed number.

a. True
b. False

ANSWER: False
POINTS: 1
DIFFICULTY: Easy
REFERENCES: New jph
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.1 - LO: 2-1
NATIONAL STANDARDS: United States - BUSPROG: Technology
KEYWORDS: Bloom's: Remembering
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143.
To convert an improper fraction to a whole number or mixed number, divide the numerator by the denominator. If there is no remainder, it is a whole number. If there is a remainder, write the whole number, then write the fraction as the remainder over the denominator.

a. True
b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: New jph
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.2 - LO: 2-2
NATIONAL STANDARDS: United States - BUSPROG: Technology
KEYWORDS: Bloom's: Remembering
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144. When a fraction has been reduced to the point where there are no common divisors left other than 1; it is said to be raised to the greatest common divisor.

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a. True
b. False

ANSWER: False
POINTS: 1
DIFFICULTY: Easy
REFERENCES: New jph
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.4 - LO: 2-4
NATIONAL STANDARDS: United States - BUSPROG: Technology
KEYWORDS: Bloom's: Remembering
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145. A whole number greater than one that is divisible only by itself and one is called a prime number.
a. True
b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Easy
REFERENCES: New jph
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6
NATIONAL STANDARDS: United States - BUSPROG: Technology
KEYWORDS: Bloom's: Remembering
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146. To add unlike fractions, add all the numerators to find the new numerator, then add all the denominators to find the new denominator.
a. True
b. False

ANSWER: False
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: New jph
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Technology
KEYWORDS: Bloom's: Remembering
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147. To subtract unlike fractions, find the least common denominator, raise each fraction to the least common denominator, subtract the like fractions.

a. True

b. False

ANSWER:	True
POINTS:	1
DIFFICULTY:	Easy
REFERENCES:	New jph
QUESTION TYPE:	True / False
HAS VARIABLES:	False
LEARNING OBJECTIVES:	DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS:	United States - BUSPROG: Technology
KEYWORDS:	Bloom's: Remembering
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148. To multiply mixed numbers, convert all mixed numbers to improper fractions, use cancellation where possible. If the answer is an improper fraction, convert to a mixed number in its lowest terms.

a. True

b. False

ANSWER:	True
POINTS:	1
DIFFICULTY:	Easy
REFERENCES:	New jph
QUESTION TYPE:	True / False
HAS VARIABLES:	False
LEARNING OBJECTIVES:	DESC.BREC.17.2.9 - LO: 2-9
NATIONAL STANDARDS:	United States - BUSPROG: Technology
KEYWORDS:	Bloom's: Remembering
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149. To divide fractions and mixed numbers, change any mixed numbers to improper fractions, invert the second fraction to it's reciprocal, and subtract.

a. True

b. False

ANSWER:	False
POINTS:	1
DIFFICULTY:	Easy
REFERENCES:	New jph
QUESTION TYPE:	True / False
HAS VARIABLES:	False
LEARNING OBJECTIVES:	DESC.BREC.17.2.10 - LO: 2-10

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150. The fraction $\frac{16}{38}$ can be reduced to $\frac{8}{19}$.

a. True
b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Easy
REFERENCES: New jph
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.4 - LO: 2-4
NATIONAL STANDARDS: United States - BUSPROG: Technology
KEYWORDS: Bloom's: Application
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151. The least common denominator of the following fractions is 120.

$\frac{1}{4}, \frac{5}{12}, \frac{1}{6}, \frac{2}{5}$

a. True
b. False

ANSWER: False
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: New jph
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6
NATIONAL STANDARDS: United States - BUSPROG: Technology
KEYWORDS: Bloom's: Applying
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152. The least common denominator of the following list of fractions is 72.

$\frac{1}{6}, \frac{5}{18}, \frac{4}{9}, \frac{3}{72}$

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a. True
b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: New jph
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.6 - LO: 2-6
NATIONAL STANDARDS: United States - BUSPROG: Technology
KEYWORDS: Bloom's: Applying
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153. Jacob worked the following hours for the week as a manager of the campus food court: $10\frac{1}{2}, 8\frac{3}{4}, 7\frac{1}{4}, 9\frac{1}{2}$, His total hours worked are 36.

a. True
b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Moderate
REFERENCES: New jph
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Technology
KEYWORDS: Bloom's: Applying
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154. The Garden Center sells grass seeds by 100 pound bins. If Anya purchased $\frac{6}{7}$ of a bin for her yard, but only used 3/4 of the seeds, she would have 3/14 of a bin left.

a. True
b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Challenging
REFERENCES: New jph
QUESTION TYPE: True / False
HAS VARIABLES: False

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LEARNING OBJECTIVES: DESC.BREC.17.2.8 - LO: 2-8
NATIONAL STANDARDS: United States - BUSPROG: Technology
KEYWORDS: Blooms: Applying
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155. John, Carla, and Kai entered a business partnership to open a frozen yogurt shop. If John owns $\frac{3}{8}$ of the company and Kai owns $\frac{1}{4}$, Carla owns $\frac{1}{2}$ of the business.

a. True
b. False

ANSWER: False
POINTS: 1
DIFFICULTY: Challenging
REFERENCES: New jph
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.7 - LO: 2-7
NATIONAL STANDARDS: United States - BUSPROG: Technology
KEYWORDS: Bloom's: Applying
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156. $\frac{118}{9}$ written as a mixed number is $13\frac{1}{9}$.

a. True
b. False

ANSWER: True
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Newjph
QUESTION TYPE: True / False
HAS VARIABLES: False
LEARNING OBJECTIVES: DESC.BREC.17.2.3 - LO: 2-3
NATIONAL STANDARDS: United States - BUSPROG: Technology
KEYWORDS: Bloom's: Applying
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