## EXAMPLE

Use the given numbers to fill in the blanks to create a true equation. All fractions must be less than 1 and in simplest form.

$$
\underline{13}+-=\underline{2}
$$

First, we look at $\frac{13}{}$. Since every fraction is less than 1 , only 24 can be the denominator of 13 .

$$
\frac{13}{24}+-=\frac{2}{}
$$

The remaining numbers are 1,3 , and 8 .
Next, we look at $\stackrel{2}{2}$. Every fraction is in simplest form and less than 1 . Since $\frac{2}{8}$ can be simplified and $\frac{2}{1}$ is

$$
\frac{13}{24}+-=\frac{2}{3}
$$ less than 1 , only 3 can be the denominator of $\underline{2}^{1}$.

The remaining numbers are 1 and 8 . There is only one way to place these into the empty numerator and denominator to make a fraction that is less than 1.

$$
\frac{13}{24}+\frac{1}{8}=\frac{2}{3}
$$

Finally, we check that the equation is true:

$$
\frac{13}{24}+\frac{1}{8}=\frac{13}{24}+\frac{3}{24}=\frac{16}{24}=\frac{2}{3}
$$

For each problem below, use the given numbers to fill in the blanks to create a true equation. All fractions must be less than 1 and in simplest form.

72. Numbers: 1, 4, 21

$$
\frac{}{6}+\square=\frac{5}{14}
$$

74. Numbers: 1, 4, 5

75. Numbers: $1,2,11$

76. Numbers: $1,5,13$


For each problem below, use the given numbers to fill in the blanks to create a true equation. All fractions must be less than 1 and in simplest form.
76. Numbers: 3, 4, 17
$\frac{}{20}-\frac{}{5}=\frac{1}{}$
78. Numbers: 1, 2, 5, 9
$\underline{2}+\square=\frac{}{10}$
80. Numbers: 1, 2, 4, 5

$$
\square+\square=\frac{13}{20}
$$

82. Numbers: 2, 3, 7, 21

$$
2-4=
$$

77. Numbers: 2, 3, 7, 8, 24

78. Numbers: 5, 6, 9, 15

79. Numbers: 1, 2, 3, 5

$$
\square+\square=\frac{11}{15}
$$

83. Numbers: 5, 7, 13, 28, 42

84. $\frac{7}{8} \square \frac{1}{2} \square \frac{1}{8}=\frac{1}{2}$
85. $\frac{5}{12} \square \frac{1}{3} \square \frac{1}{2}=\frac{1}{4}$
86. $\frac{1}{2} \square \frac{1}{4} \square \frac{3}{5}=\frac{27}{20}$
87. $\frac{5}{6} \square \frac{1}{4} \square \frac{2}{5}=\frac{59}{60}$
88. $\frac{13}{18} \square \frac{1}{2} \square \frac{1}{9}=\frac{1}{3}$
89. $\frac{11}{20} \square \frac{19}{24} \square \frac{4}{5}=\frac{13}{24}$
