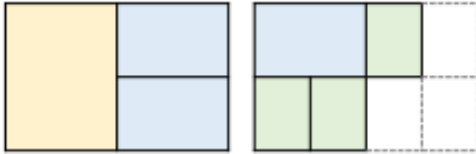


2 stars

Add Fractions

5a. Complete the calculation shown in the model below.

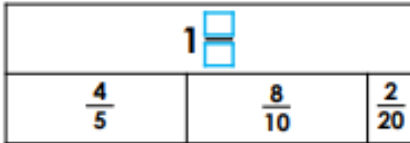


$$\frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$



S VF

6a. Complete the bar model.



S VF

7a. Solve the following calculations.

A. $\frac{3}{6} + \frac{2}{3} + \frac{7}{12} = \boxed{}$

B. $\frac{8}{16} + \frac{5}{8} + \frac{3}{4} = \boxed{}$



S VF

8a. Which calculation is incorrect?

A. $\frac{4}{7} + \frac{15}{21} + \frac{9}{14} = 1 \frac{13}{14}$

B. $\frac{5}{12} + \frac{5}{6} + \frac{25}{48} = 1 \frac{1}{4}$



S VF

Add Fractions

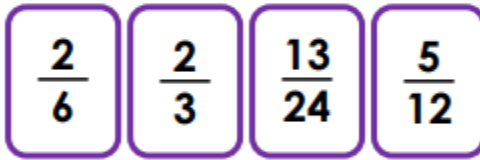
4a. True or false? Explain your answer.

$$\frac{3}{4} + \frac{11}{12} + \frac{7}{24} = 1 \frac{21}{24}$$



S R

5a. Select 3 fractions which add up to no more than $1 \frac{1}{2}$.



Find more than one answer.



S PS

6a. Find 3 possible solutions to the riddle.

I have 3 proper fractions, their sum is $\frac{1}{4}$ greater than $1 \frac{5}{8}$.

Each denominator is a different, single digit and a multiple of 2.

What could my fractions be?



S PS

3 stars

Add Fractions

9a. Fill in the missing numerators and complete the calculation shown in the model below.

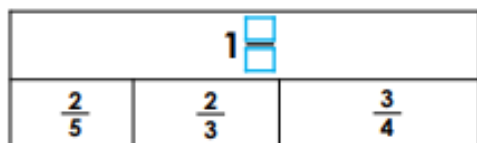


$$\frac{\boxed{}}{2} + \frac{\boxed{}}{12} + \frac{\boxed{}}{48} = \boxed{} \frac{\boxed{}}{\boxed{}}$$



S VF

10a. Complete the bar model.



S VF

11a. Solve the following calculations.

A. $\frac{2}{3} + \frac{4}{7} + \frac{5}{6} = \boxed{}$

B. $\frac{8}{11} + \frac{2}{3} + \frac{1}{6} = \boxed{}$



S VF

12a. Which calculation is incorrect?

A. $\frac{3}{7} + \frac{4}{5} + \frac{10}{35} = 1 \frac{18}{35}$

B. $\frac{5}{6} + \frac{3}{8} + \frac{7}{12} = 1 \frac{3}{12}$



S VF

Add Fractions

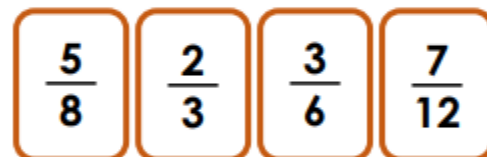
7a. True or false? Explain your answer.

$$\frac{2}{5} + \frac{2}{3} + \frac{5}{6} = 1 \frac{3}{10}$$



S R

8a. Select 3 fractions to make a total between $1 \frac{3}{4}$ and $1 \frac{11}{12}$.



Find more than one answer.



S PS

9a. Find 3 possible solutions to the riddle.

I have 3 proper fractions, their sum is $\frac{1}{28}$ greater than $1 \frac{3}{7}$.

Each denominator is a different factor of 28.

What could my fractions be?



S PS

Answers

Step 12, 2 stars Varied Fluency	Step 12, 2 stars Reasoning
<p>5a. $\frac{1}{2} + \frac{3}{4} + \frac{3}{8} = 1\frac{5}{8}$</p> <p>6a. $1\frac{7}{10}$</p> <p>7a. A = $1\frac{3}{4}$, B = $1\frac{7}{8}$</p> <p>8a. B is incorrect. B = $1\frac{37}{48}$</p>	<p>4b. True; the calculation is correct and presented as an improper fraction. It could also be written as a mixed number and simplified.</p> $\frac{3}{9} + \frac{2}{3} + \frac{10}{15} = \frac{25}{15} = 1\frac{2}{3}$ <p>5b. Various possible answers, for example:</p> $\frac{2}{5} + \frac{7}{10} + \frac{9}{20} \text{ or } \frac{2}{5} + \frac{7}{10} + \frac{7}{15}$ <p>6b. Various possible answers, for example:</p> $\frac{1}{3} + \frac{4}{6} + \frac{3}{9} \text{ or } \frac{1}{3} + \frac{2}{6} + \frac{6}{9} \text{ or } \frac{2}{3} + \frac{2}{6} + \frac{3}{9}$
Step 12, 3 stars Varied Fluency	Step 12, 3 stars Reasoning
<p>9a. $\frac{1}{2} + \frac{8}{12} + \frac{12}{48} = 1\frac{5}{12}$</p> <p>10a. $1\frac{49}{60}$</p> <p>11a. A = $2\frac{1}{14}$, B = $1\frac{37}{66}$</p> <p>12a. B is incorrect. B = $1\frac{19}{24}$</p>	<p>7b. True; the calculation is correct and presented in its simplest form.</p> $\frac{3}{12} + \frac{7}{9} + \frac{1}{4} = \frac{46}{36} = 1\frac{10}{36} = 1\frac{5}{18}$ <p>8b. 2 possible answers:</p> $\frac{7}{10} + \frac{1}{5} + \frac{3}{4} \text{ or } \frac{1}{5} + \frac{5}{8} + \frac{3}{4}$ <p>9b. Various possible answers, for example:</p> $\frac{1}{2} + \frac{2}{4} + \frac{3}{5} \text{ or } \frac{1}{2} + \frac{1}{5} + \frac{9}{10} \text{ or } \frac{2}{4} + \frac{2}{5} + \frac{7}{10}$