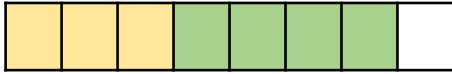


Add 2 or More Fractions

Add 2 or More Fractions

1a. Use the model to complete the following calculation.

$$\frac{3}{8} + \frac{4}{8} = \frac{\boxed{}}{\boxed{}}$$



VF

1b. Use the model to complete the following calculation.

$$\frac{6}{12} + \frac{4}{12} = \frac{\boxed{}}{\boxed{}}$$



VF

2a. Complete the calculation below.

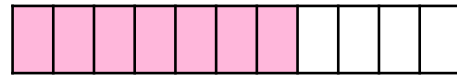
$$\frac{3}{9} + \frac{1}{9} + \frac{4}{9} = \frac{\boxed{}}{\boxed{}}$$



VF

2b. Complete the calculation below.

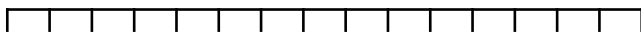
$$\frac{7}{11} + \frac{3}{11} = \frac{\boxed{}}{\boxed{}}$$



VF

3a. Tick the correct answer. Use the empty number line to help you.

$$\frac{6}{15} + \frac{5}{15} =$$



$$\frac{11}{30}$$

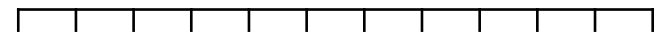
$$\frac{10}{15}$$

$$\frac{11}{15}$$

VF

3b. Tick the correct answer. Use the empty number line to help you.

$$\frac{3}{7} + \frac{2}{7} + \frac{1}{7} =$$



$$\frac{5}{7}$$

$$\frac{6}{21}$$

$$\frac{6}{7}$$

VF

4a. Fill in the missing numbers below.

A. $\frac{8}{\boxed{}} + \frac{4}{14} = \frac{\boxed{}}{14} + \frac{5}{14} = \frac{\boxed{}}{14}$

B. $\frac{\boxed{}}{9} + \frac{6}{9} = \frac{4}{9} + \frac{3}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$



VF

4b. Fill in the missing numbers below.

A. $\frac{9}{16} + \frac{6}{\boxed{}} = \frac{\boxed{}}{\boxed{}} + \frac{3}{16} = \frac{\boxed{}}{16}$

B. $\frac{\boxed{}}{\boxed{}} + \frac{5}{10} = \frac{4}{\boxed{}} + \frac{\boxed{}}{10} = \frac{9}{10}$



VF

Add 2 or More Fractions

5a. Shade the model to complete the following calculation.

$$\frac{4}{7} + \frac{6}{7} = \frac{\boxed{}}{\boxed{}}$$

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Add 2 or More Fractions

5b. Shade the model to complete the following calculation.

$$\frac{6}{11} + \frac{9}{11} = \frac{\boxed{}}{\boxed{}}$$

[illegible][illegible]

6a. Complete the calculation below.

$$\frac{3}{4} + \frac{2}{4} + \frac{1}{4} = \frac{\boxed{}}{\boxed{}}$$

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6b. Complete the calculation below.

$$\frac{5}{6} + \frac{4}{6} + \frac{7}{6} = \frac{\boxed{}}{\boxed{}}$$

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7a. Tick the correct answer. Use the empty number line to help you.

$$\frac{8}{12} + \frac{7}{12} + \frac{9}{12} =$$

[illegible]

VF

7b. Tick the correct answer. Use the empty number line to help you.

$$\frac{11}{9} + \frac{5}{9} + \frac{7}{9} =$$

[illegible]

VF

8a. Fill in the missing numbers below.

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

B. $\frac{\boxed{}}{\boxed{}} + \frac{12}{15} + \frac{11}{\boxed{}} = \frac{17}{15} + \frac{\boxed{}}{\boxed{}} = \frac{32}{\boxed{}}$



8b. Fill in the missing numbers below.

A. $\frac{16}{18} + \frac{7}{\boxed{}} + \frac{2}{\boxed{}} = \frac{\boxed{}}{\boxed{}} + \frac{11}{18} = \frac{\boxed{}}{\boxed{}}$

B. $\frac{\boxed{}}{\boxed{}} + \frac{11}{\boxed{}} + \frac{6}{\boxed{}} = \frac{17}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{29}{8}$



Add 2 or More Fractions

9a. Shade the model to complete the following calculation.

$$\frac{3}{9} + \frac{4}{9} + \frac{10}{18} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

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VF

Add 2 or More Fractions

9b. Shade the model to complete the following calculation.

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

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VF

10a. Complete the calculation below.

$$\frac{7}{10} + \frac{6}{20} + \frac{1}{5} + \frac{4}{10} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$$



VF

10b. Complete the calculation below.

$$\frac{4}{12} + \frac{3}{6} + \frac{4}{6} + \frac{10}{12} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$$



VF

11a. Tick the correct answer.

$$\frac{2}{4} + \frac{7}{8} + \frac{14}{16} =$$

$$\frac{18}{16}$$

$$2\frac{1}{8}$$

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



VF

11b. Tick the correct answer.

$$\frac{4}{10} + \frac{6}{5} + \frac{9}{10} + \frac{7}{5} =$$

$$3\frac{9}{15}$$

$$\frac{39}{30}$$

$$3\frac{9}{10}$$



VF

12a. Fill in the missing numbers below.

A. $\frac{1}{3} + \frac{5}{6} = \frac{\boxed{}}{12} + \frac{20}{24} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

B. $\frac{8}{6} + \frac{\boxed{}}{12} = \frac{38}{24} + \frac{18}{12} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$



VF

12b. Fill in the missing numbers below.

A. $\frac{3}{4} + \frac{\boxed{}}{8} = \frac{12}{16} + \frac{6}{8} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$

B. $\frac{7}{2} + \frac{9}{4} = \frac{\boxed{}}{8} + \frac{36}{16} = \frac{\boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$



VF

Varied Fluency Add 2 or More Fractions

Developing

1a. $\frac{7}{8}$

2a. $\frac{8}{9}$

3a. $\frac{11}{15}$

4a. A. $\frac{8}{14} + \frac{4}{14} = \frac{12}{14} + \frac{5}{14} = \frac{17}{14}$

B. $\frac{1}{9} + \frac{6}{9} = \frac{7}{9} + \frac{3}{9} = \frac{10}{9}$

Expected

5a. $\frac{10}{7}$

6a. $\frac{6}{4}$

7a. $\frac{24}{12}$

8a. A. $\frac{7}{7} + \frac{6}{7} + \frac{2}{7} = \frac{15}{7} + \frac{5}{7} = \frac{20}{7}$

B. $\frac{9}{15} + \frac{12}{15} + \frac{11}{15} = \frac{32}{15} + \frac{17}{15} = \frac{49}{15}$

Greater Depth

9a. Various answers, for example:

$$\frac{12}{9} = 1\frac{3}{9}$$

10a. Various answers, for example:

$$\frac{16}{10} = 1\frac{6}{10}$$

11a. $2\frac{1}{4}$

12a. A. $\frac{1}{3} + \frac{5}{6} = \frac{2}{6} + \frac{5}{6} = \frac{7}{6} = 1\frac{1}{6}$

B. $\frac{8}{6} + \frac{21}{12} = \frac{16}{12} + \frac{21}{12} = \frac{37}{12} = 3\frac{1}{12}$

Varied Fluency Add 2 or More Fractions

Developing

1b. $\frac{10}{12}$

2b. $\frac{10}{11}$

3b. $\frac{6}{7}$

4b. A. $\frac{9}{16} + \frac{6}{16} = \frac{15}{16} + \frac{3}{16} = \frac{18}{16}$

B. $\frac{4}{10} + \frac{5}{10} = \frac{9}{10} + \frac{5}{10} = \frac{14}{10}$

Expected

5b. $\frac{15}{11}$

6b. $\frac{16}{6}$

7b. $\frac{23}{9}$

8b. A. $\frac{16}{18} + \frac{7}{18} + \frac{2}{18} = \frac{25}{18} + \frac{11}{18} = \frac{36}{18}$

B. $\frac{12}{8} + \frac{11}{8} + \frac{6}{8} = \frac{29}{8} + \frac{17}{8} = \frac{46}{8}$

Greater Depth

9b. Various answers, for example:

$$\frac{17}{6} = 2\frac{5}{6}$$

10b. Various answers, for example:

$$\frac{14}{6} = 2\frac{2}{6}$$

11b. $3\frac{9}{10}$

12b. A. $\frac{3}{4} + \frac{6}{8} = \frac{6}{8} + \frac{6}{8} = \frac{12}{8} = 1\frac{4}{8}$

B. $\frac{7}{2} + \frac{9}{4} = \frac{14}{4} + \frac{9}{4} = \frac{23}{4} = 5\frac{3}{4}$