

Varied Fluency

Step 6: Add 2 or More Fractions

National Curriculum Objectives:

Mathematics Year 4: (4F4) [Add and subtract fractions with the same denominator](#)

Differentiation:

Developing Questions to support adding 2 or more fractions with the same denominator where answers are < 1 .

Expected Questions to support adding 2 or more fractions with the same denominator where answers are > 1 . Answers expressed as an improper fraction and mixed numbers.

Greater Depth Questions to support adding two or more fractions where answers are > 1 . Using some fractions with denominators that are double or halve of the previous fraction. Answers expressed as improper fractions and mixed numbers.

More [Year 4 Fraction](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Add 2 or More Fractions

Add 2 or More Fractions

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

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



VF

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

$$\frac{5}{10} + \frac{2}{10} = \frac{\square}{\square}$$



VF

2a. True or false?

$$\frac{3}{9} + \frac{1}{9} + \frac{4}{9} = \frac{8}{27}$$



VF

2b. True or false?

$$\frac{2}{8} + \frac{1}{8} + \frac{3}{8} = \frac{6}{8}$$



VF

3a. Match the calculations to the correct answer.

A. $\frac{2}{10} + \frac{1}{10} + \frac{5}{10}$

$\frac{9}{10}$

B. $\frac{3}{10} + \frac{2}{10} + \frac{4}{10}$

$\frac{7}{10}$

C. $\frac{2}{10} + \frac{1}{10} + \frac{3}{10} + \frac{1}{10}$

$\frac{8}{10}$



VF

3b. Match the calculations to the correct answer.

A. $\frac{5}{12} + \frac{2}{12} + \frac{3}{12}$

$\frac{11}{12}$

B. $\frac{1}{12} + \frac{5}{12} + \frac{3}{12} + \frac{2}{12}$

$\frac{9}{12}$

C. $\frac{3}{12} + \frac{2}{12} + \frac{4}{12}$

$\frac{10}{12}$



VF

4a. Fill in the missing numbers to complete the number sentences.

A. $\frac{4}{9} + \frac{4}{9} = \frac{\square}{9} + \frac{3}{9} = \frac{\square}{9}$

B. $\frac{6}{12} + \frac{4}{12} = \frac{\square}{12} + \frac{3}{12} = \frac{\square}{12}$

C. $\frac{2}{6} + \frac{4}{6} = \frac{\square}{6} + \frac{2}{6} = \frac{\square}{6}$



VF

4b. Fill in the missing numbers to complete the number sentences.

A. $\frac{3}{10} + \frac{6}{10} = \frac{\square}{10} + \frac{2}{10} = \frac{\square}{10}$

B. $\frac{2}{8} + \frac{5}{8} = \frac{\square}{8} + \frac{4}{8} = \frac{\square}{8}$

C. $\frac{3}{7} + \frac{2}{7} = \frac{\square}{7} + \frac{1}{7} = \frac{\square}{7}$



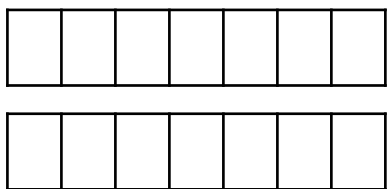
VF

Add 2 or More Fractions

Add 2 or More Fractions

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

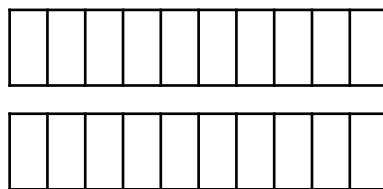
$$\frac{4}{7} + \frac{6}{7} = \frac{\square}{\square}$$



VF

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

$$\frac{7}{10} + \frac{5}{10} = \frac{\square}{\square}$$



VF

6a. True or false?

$$\frac{3}{4} + \frac{2}{4} + \frac{1}{4} = \frac{6}{4}$$



VF

6b. True or false?

$$\frac{5}{8} + \frac{1}{8} + \frac{2}{8} + \frac{3}{8} = \frac{10}{8}$$



VF

7a. Match the calculations to the correct answer.

A. $\frac{4}{8} + \frac{1}{8} + \frac{5}{8}$

$$\frac{9}{8}$$

B. $\frac{6}{8} + \frac{3}{8} + \frac{4}{8} + \frac{2}{8}$

$$\frac{10}{8}$$

C. $\frac{4}{8} + \frac{2}{8} + \frac{3}{8}$

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



VF

7b. Match the calculations to the correct answer.

A. $\frac{5}{12} + \frac{2}{12} + \frac{4}{12} + \frac{3}{12}$

$$\frac{16}{12}$$

B. $\frac{5}{12} + \frac{2}{12} + \frac{6}{12}$

$$1\frac{1}{12}$$

C. $\frac{3}{12} + \frac{9}{12} + \frac{4}{12}$

$$\frac{14}{12}$$



VF

8a. Fill in the missing numbers to complete the number sentences.

A. $\frac{3}{7} + \frac{6}{7} = \frac{\square}{7} + \frac{5}{7} = \frac{\square}{7}$

B. $\frac{11}{12} + \frac{3}{12} = \frac{\square}{12} + \frac{6}{12} = \frac{\square}{12}$

C. $\frac{3}{8} + \frac{6}{8} = \frac{\square}{8} + \frac{2}{8} = \frac{\square}{8}$



VF

8b. Fill in the missing numbers to complete the number sentences.

A. $\frac{7}{9} + \frac{5}{9} = \frac{\square}{9} + \frac{4}{9} = \frac{\square}{9}$

B. $\frac{13}{11} + \frac{4}{11} = \frac{\square}{11} + \frac{6}{11} = \frac{\square}{11}$

C. $\frac{5}{10} + \frac{6}{10} = \frac{\square}{10} + \frac{4}{10} = \frac{\square}{10}$



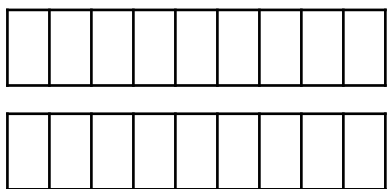
VF

Add 2 or More Fractions

Add 2 or More Fractions

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

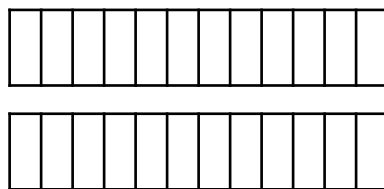
$$\frac{3}{9} + \frac{4}{9} + \frac{5}{9} = \frac{\square}{\square} = 1 \frac{\square}{\square}$$



VF

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

$$\frac{7}{12} + \frac{4}{12} + \frac{5}{12} = \frac{\square}{\square} = 1 \frac{\square}{\square}$$



VF

10a. True or false?

$$\frac{3}{10} + \frac{7}{10} + \frac{2}{10} + \frac{5}{10} = 1 \frac{7}{10}$$



VF

10b. True or false?

$$\frac{5}{7} + \frac{1}{7} + \frac{2}{7} + \frac{4}{7} = 1 \frac{12}{7}$$



VF

11a. Match the calculations to the correct answer.

A. $\frac{2}{8} + \frac{1}{8} + \frac{4}{8} + \frac{3}{8}$

$\frac{9}{8}$

B. $\frac{1}{4} + \frac{3}{4} + \frac{1}{4} + \frac{2}{4}$

$\frac{10}{8}$

C. $\frac{3}{8} + \frac{2}{8} + \frac{3}{8} + \frac{1}{8}$

$1 \frac{3}{4}$



VF

11b. Match the calculations to the correct answer.

A. $\frac{5}{12} + \frac{2}{12} + \frac{4}{12} + \frac{3}{12}$

$\frac{8}{6}$

B. $\frac{3}{6} + \frac{2}{6} + \frac{5}{6} + \frac{1}{6}$

$1 \frac{5}{6}$

C. $\frac{2}{12} + \frac{6}{12} + \frac{5}{12} + \frac{3}{12}$

$\frac{14}{12}$



VF

12a. Fill in the missing numbers to complete the number sentences.

A. $\frac{2}{6} + \frac{5}{6} = \frac{\square}{6} + \frac{5}{6} = 1 \frac{\square}{6}$

B. $\frac{4}{12} + \frac{9}{12} = \frac{\square}{12} + \frac{6}{12} = 1 \frac{\square}{12}$

C. $\frac{5}{9} + \frac{6}{9} = \frac{\square}{9} + \frac{2}{9} = 1 \frac{\square}{9}$



VF

12b. Fill in the missing numbers to complete the number sentences.

A. $\frac{9}{11} + \frac{7}{11} = \frac{\square}{11} + \frac{6}{11} = 1 \frac{\square}{11}$

B. $\frac{6}{10} + \frac{5}{10} = \frac{\square}{10} + \frac{4}{10} = 1 \frac{\square}{10}$

C. $\frac{6}{7} + \frac{5}{7} = \frac{\square}{7} + \frac{4}{7} = 1 \frac{\square}{7}$



VF

Varied Fluency
Add 2 or More Fractions

Developing

- 1a. $\frac{7}{8}$
2a. False. It is $\frac{8}{9}$
3a. A is $\frac{8}{10}$, B is $\frac{9}{10}$, C is $\frac{7}{10}$
4a. A is 5 and 8, B is 7 and 10, C is 4 and 6

Expected

- 5a. $\frac{10}{7}$
6a. True
7a. A is $\frac{10}{8}$, B is $1\frac{7}{8}$, C is $\frac{9}{8}$
8a. A is 4 and 9, B is 8 and 14, C is 7 and 9

Greater Depth

- 9a. $\frac{12}{9}$ And $1\frac{3}{9}$
10a. True
11a. A is $\frac{10}{8}$, B is $1\frac{3}{4}$, C is $\frac{9}{8}$
12a. A is 2 and 1, B is 7 and 1, C is 9 and 2

Varied Fluency
Add 2 or More Fractions

Developing

- 1b. $\frac{7}{10}$
2b. True
3b. A is $\frac{10}{12}$, B is $\frac{11}{12}$, C is $\frac{9}{12}$
4b. A is 7 and 9, B is 3 and 7, C is 4 and 5

Expected

- 5b. $\frac{12}{10}$
6b. False. It is $\frac{11}{8}$
7b. A is $\frac{14}{12}$, B is $1\frac{1}{12}$, C is $\frac{16}{12}$
8b. A is 8 and 12, B is 11 and 17, C is 7 and 11

Greater Depth

- 9b. $\frac{16}{12}$ and $\frac{4}{12}$
10b. False. It is $1\frac{5}{7}$
11b. A is $\frac{14}{12}$, B is $1\frac{5}{6}$, C is $\frac{8}{6}$
12b. A is 10 and 5, B is 7 and 1, C is 7 and 4