

Varied Fluency

Step 13: Subtract Mixed Numbers 1

National Curriculum Objectives:

Mathematics Year 5: (5F2a) [Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements \$> 1\$ as a mixed number \[for example, \$2/5 + 4/5 = 6/5 = 1 \frac{1}{5}\$ \]](#)

Mathematics Year 5: (5F4) [Add and subtract fractions with the same denominator and denominators that are multiples of the same number](#)

Differentiation:

Developing Questions to support subtracting proper fractions from mixed numbers where the denominators are the same or halves or doubles of each other.

Expected Questions to support subtracting proper fractions from mixed numbers where the denominators are direct multiples. Answers to be recorded in their simplest form.

Greater Depth Questions to support subtracting proper fractions from mixed numbers where the denominators are not direct multiples. Answers to be recorded in their simplest form.

More [Year 5 Fractions](#) resources.

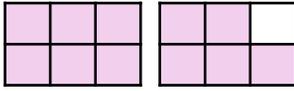
Did you like this resource? Don't forget to [review](#) it on our website.

Subtract Mixed Numbers 1

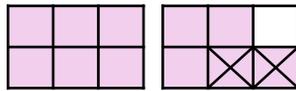
Subtract Mixed Numbers 1

1a. Which calculation is being shown in the model below?

Step 1



Step 2



A.

$$1 \frac{5}{6} - \frac{3}{6}$$

B.

$$1 \frac{5}{6} - \frac{2}{6}$$

C.

$$2 \frac{5}{6} - \frac{3}{6}$$

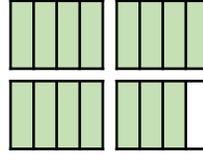
Solve the calculation using the model to help you.



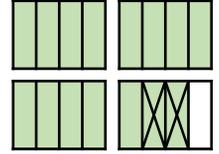
VF

1b. Which calculation is being shown in the model below?

Step 1



Step 2



A.

$$3 \frac{3}{4} - \frac{2}{4}$$

B.

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

C.

$$3 \frac{3}{4} - \frac{1}{4}$$

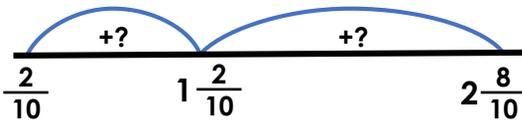
Solve the calculation using the model to help you.



VF

2a. Find the difference between the fractions using the number line to help you.

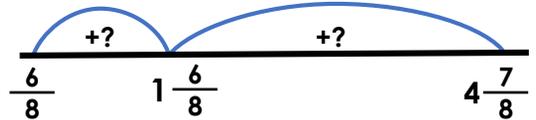
$$2 \frac{4}{5} - \frac{2}{10}$$



VF

2b. Find the difference between the fractions using the number line to help you.

$$4 \frac{7}{8} - \frac{3}{4}$$



VF

3a. Tick the calculation where the answer is a whole number.

A. $2 \frac{5}{7} - \frac{3}{14}$

B. $5 \frac{2}{3} - \frac{4}{6}$



VF

3b. Tick the calculation where the answer is a whole number.

A. $3 \frac{7}{8} - \frac{14}{16}$

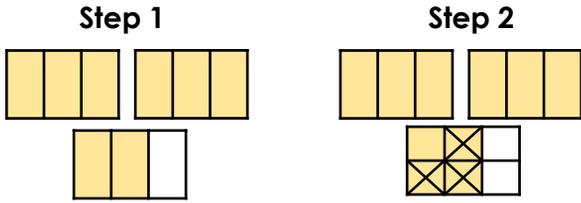
B. $7 \frac{7}{9} - \frac{8}{18}$



VF

Subtract Mixed Numbers 1

4a. Which calculation is being shown in the model below?



- A. $2 \frac{2}{3} - \frac{1}{6}$ B. $2 \frac{2}{6} - \frac{2}{3}$ C. $2 \frac{2}{3} - \frac{3}{6}$

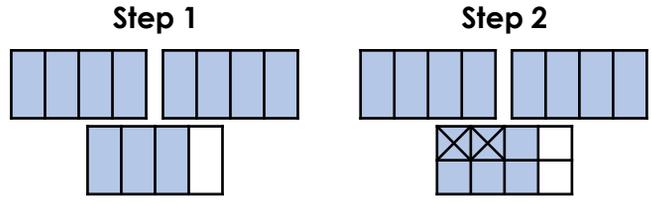
Solve the calculation using the model to help you.



VF

Subtract Mixed Numbers 1

4b. Which calculation is being shown in the model below?



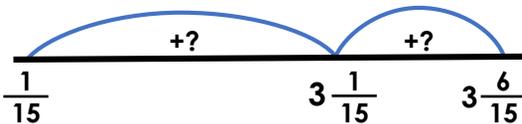
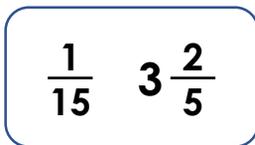
- A. $2 \frac{3}{4} - \frac{2}{8}$ B. $2 \frac{2}{8} - \frac{2}{3}$ C. $2 \frac{3}{4} - \frac{2}{4}$

Solve the calculation using the model to help you.



VF

5a. Find the difference between the fractions using the number line to help you.

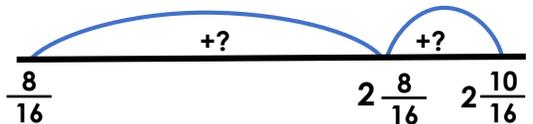
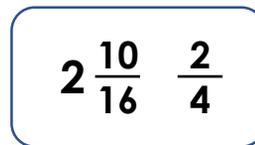


Write your answer as a mixed number in its simplest form.



VF

5b. Find the difference between the fractions using the number line to help you.



Write your answer as a mixed number in its simplest form.



VF

6a. Tick the calculation where the answer is a whole number.

A. $3 \frac{5}{7} - \frac{13}{21}$

B. $7 \frac{3}{4} - \frac{12}{16}$



VF

6b. Tick the calculation where the answer is a whole number.

A. $6 \frac{15}{18} - \frac{5}{6}$

B. $6 \frac{6}{24} - \frac{7}{8}$



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Subtract Mixed Numbers 1

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7a. Which calculation gives the answer below?

$$3\frac{5}{12}$$

A. $3\frac{4}{6} - \frac{2}{4}$ B. $3\frac{5}{6} - \frac{3}{4}$ C. $3\frac{4}{6} - \frac{1}{4}$



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7b. Which calculation gives the answer below?

$$4\frac{3}{20}$$

A. $4\frac{3}{8} - \frac{1}{5}$ B. $4\frac{6}{8} - \frac{3}{5}$ C. $4\frac{6}{8} - \frac{2}{5}$



VF

8a. Find the difference between the fractions.

A. $\frac{2}{6} - 4\frac{3}{4}$

B. $2\frac{6}{8} - \frac{4}{6}$

Write your answers as mixed numbers in their simplest form.



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8b. Find the difference between the fractions.

A. $\frac{1}{4} - 4\frac{3}{6}$

B. $6\frac{4}{10} - \frac{2}{6}$

Write your answers as mixed numbers in their simplest form.



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9a. Tick the calculation with the greatest answer.

A. $6\frac{4}{5} - \frac{1}{3}$

B. $6\frac{7}{10} - \frac{2}{3}$



VF

9b. Tick the calculation with the greatest answer.

A. $3\frac{2}{3} - \frac{3}{7}$

B. $3\frac{4}{6} - \frac{1}{7}$



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Varied Fluency
Subtract Mixed Numbers 1

Developing

1a. **B.** $1\frac{3}{6}$ or $1\frac{1}{2}$

2a. $2\frac{6}{10}$ or $2\frac{3}{5}$

3a. **B**

Expected

4a. **C.** $2\frac{1}{6}$

5a. $3\frac{1}{3}$

6a. **B**

Greater Depth

7a. **C**

8a. **A.** $4\frac{5}{12}$; **B.** $2\frac{1}{12}$

9a. **A**

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Developing

1b. **A.** $3\frac{1}{4}$

2b. $4\frac{1}{8}$

3b. **A**

Expected

4b. **A.** $2\frac{4}{8}$ or $2\frac{1}{2}$

5b. $2\frac{1}{8}$

6b. **A**

Greater Depth

7b. **B**

8b. **A.** $4\frac{1}{4}$; **B.** $6\frac{1}{15}$

9b. **B**