

Varied Fluency

Step 15: Subtract 2 Mixed Numbers

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 2 mixed numbers where the denominator is double or half of the starting fraction.

Expected Questions to support subtracting 2 mixed numbers where the denominators are direct multiples of each other.

Greater Depth Questions to support subtracting 2 mixed numbers where the denominators are not direct multiples but share a common factor.

More [Year 5 Fractions](#) resources.

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

Subtract 2 Mixed Numbers

1b. Complete the calculation below.



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2b. True or false?

The calculation below is correct.

$$4 \frac{3}{5} - 2 \frac{2}{10} = 2 \frac{2}{5}$$

$$5 \frac{4}{10} - 1 \frac{6}{20} = 4 \frac{2}{10}$$



VF



VF

3b. Match the number sentences to the correct answers.

A. $5 \frac{8}{12} - 4 \frac{1}{6}$ $1 \frac{2}{6}$

A. $4 \frac{8}{10} - 2 \frac{1}{5}$ $2 \frac{2}{5}$

B. $7\frac{3}{6} - 6\frac{4}{12}$ $1\frac{3}{6}$

B. $6\frac{3}{5} - 4\frac{4}{10}$ $2\frac{1}{5}$

C. $3 \frac{10}{12} - 2 \frac{3}{6}$ $1 \frac{1}{6}$

C. $7\frac{8}{10} - 5\frac{2}{5}$ $2\frac{3}{5}$



VF



VF

4b. Complete the calculation below.

$$6 \frac{2}{3} - 3 \frac{2}{6} = \boxed{}$$

$$8 \frac{3}{4} - 1 \frac{4}{8} = \boxed{}$$



VF



VF

Subtract 2 Mixed Numbers

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9a. Complete the calculation below.

9b. Complete the calculation below.

10a. True or false?

The calculation below is correct.

$$9 \frac{12}{14} - 4 \frac{15}{35} = 5 \frac{4}{7}$$

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10b. True or false?

The calculation below is correct.

$$8 \frac{24}{27} - 6 \frac{24}{72} = 2 \frac{5}{9}$$

VF

11a. Match the number sentences to the correct answers.

A. $7 \frac{35}{40} - 2 \frac{12}{16}$

B. $9 \frac{21}{24} - 4 \frac{14}{56}$

C. $8 \frac{42}{48} - 3 \frac{16}{32}$

$5 \frac{5}{8}$

$5 \frac{3}{8}$

$5 \frac{1}{8}$

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11b. Match the number sentences to the correct answers.

A. $9 \frac{32}{48} - 5 \frac{15}{30}$

B. $6 \frac{15}{18} - 2 \frac{9}{54}$

C. $7 \frac{35}{42} - 3 \frac{6}{12}$

$4 \frac{4}{6}$

$4 \frac{2}{6}$

$4 \frac{1}{6}$

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12a. Complete the calculation below.

$$6 \frac{42}{54} - 5 \frac{27}{81} = \boxed{}$$

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12b. Complete the calculation below.

$$5 \frac{25}{35} - 4 \frac{24}{56} = \boxed{}$$

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Developing

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

2a. True

3a. $A = 1 \frac{3}{6}$, $B = 1 \frac{1}{6}$, $C = 1 \frac{2}{6}$

4a. $3 \frac{1}{3}$

Expected

5a. $1 \frac{1}{4}$

6a. True

7a. $A = 4 \frac{3}{5}$, $B = 4 \frac{1}{5}$, $C = 4 \frac{2}{5}$

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

Greater Depth

9a. $1 \frac{1}{3}$

10a. False, the correct answer is $5 \frac{3}{7}$.

11a. $A = 5 \frac{1}{8}$, $B = 5 \frac{5}{8}$, $C = 5 \frac{3}{8}$

12a. $1 \frac{4}{9}$

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Developing

1b. $1 \frac{1}{3}$

2b. False, the correct answer is $4 \frac{1}{10}$.

3b. $A = 2 \frac{3}{5}$, $B = 2 \frac{1}{5}$, $C = 2 \frac{2}{5}$

4b. $7 \frac{1}{4}$

Expected

5b. $2 \frac{1}{3}$

6b. False, the correct answer is $3 \frac{1}{7}$.

7b. $A = 6 \frac{4}{6}$, $B = 6 \frac{2}{6}$, $C = 6 \frac{1}{6}$

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

Greater Depth

9b. $2 \frac{1}{4}$

10b. True

11b. $A = 4 \frac{1}{6}$, $B = 4 \frac{4}{6}$, $C = 4 \frac{2}{6}$

12b. $1 \frac{2}{7}$