

Homework/Extension

Step 8: Subtracting Fractions

National Curriculum Objectives:

Mathematics Year 6: (6F4) [Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Identify whether calculations and answers have been matched correctly using knowledge of subtracting mixed numbers where denominators are the same or direct multiples of the same number.

Expected Identify whether calculations and answers have been matched correctly using knowledge of subtracting mixed numbers where denominators are not always direct multiples of the same number.

Greater Depth Identify whether calculations and answers have been matched correctly using knowledge of subtracting mixed numbers where denominators are not direct multiples of the same number.

Questions 2, 5 and 8 (Varied Fluency)

Developing Sort calculations using knowledge of subtracting mixed numbers where denominators are the same or direct multiples of the same number.

Expected Sort calculations using knowledge of subtracting mixed numbers where denominators are not always direct multiples of the same number.

Greater Depth Sort calculations using knowledge of subtracting mixed numbers and improper fractions where denominators are not direct multiples of the same number.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Fill in missing numbers to make a statement correct using knowledge of subtracting mixed numbers where denominators are the same or direct multiples of the same number.

Expected Fill in missing numbers to make a statement correct using knowledge of subtracting mixed numbers where denominators are not always direct multiples of the same number.

Greater Depth Fill in missing numbers to make a statement correct using knowledge of subtracting mixed numbers and improper fractions where denominators are not direct multiples of the same number.

More [Year 6 Fraction](#) resources.

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

Subtracting Fractions

1. Alice has matched each calculation below to answer.

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

B. $5\frac{3}{4} - 2\frac{2}{8} =$ ----- $3\frac{3}{6}$

C. $4\frac{2}{3} - 1\frac{3}{6} =$ ----- $3\frac{4}{8}$

Is she correct?



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2. Sort the calculations below into the correct box on the sorting table.

Less than 2	Equal to 2	Greater than 2

A. $6\frac{4}{5} - 4\frac{5}{10} =$ B. $5\frac{7}{8} - 4\frac{2}{4} =$ C. $4\frac{1}{2} - \frac{10}{4} =$



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3. Some of the numerators and denominators have been missed out of the statements below.

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

B. $6\frac{4}{\square} - 4\frac{\square}{8} < 4\frac{3}{\square} - 2\frac{\square}{8}$

Fill in the missing numerators and denominators to make each statement correct.



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Subtracting Fractions

4. Jack has matched each calculation below to answer.

A. $4\frac{2}{5} - 1\frac{1}{3} =$	$4\frac{3}{10}$
B. $6\frac{4}{5} - 2\frac{5}{10} =$	$3\frac{1}{15}$
C. $2\frac{5}{9} - 1\frac{1}{4} =$	$1\frac{11}{36}$

Is he correct?



VF
HW/Ext

5. Sort the calculations below into the correct box on the sorting table.

Less than 3	Equal to 3	Greater than 3

A. $5\frac{1}{7} - 2\frac{9}{14} =$	B. $4\frac{4}{12} - 1\frac{1}{3} =$	C. $4\frac{3}{7} - \frac{7}{5} =$
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6. Some of the numerators and denominators have been missed out of the statements below.

A. $3\frac{\square}{5} - 1\frac{1}{\square} <$	$4\frac{\square}{3} - 2\frac{1}{\square}$
B. $5\frac{4}{\square} - 3\frac{\square}{4} >$	$6\frac{3}{\square} - 4\frac{\square}{5}$

Fill in the missing numerators and denominators to make each statement correct.



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Subtracting Fractions

7. Fred has matched each calculation below to answer.

A. $7\frac{6}{7} - 4\frac{2}{6} =$	$3\frac{4}{21}$
B. $6\frac{2}{3} - 3\frac{4}{7} =$	$3\frac{11}{21}$
C. $9\frac{12}{14} - 6\frac{2}{3} =$	$3\frac{2}{21}$

Is he correct?



VF
HW/Ext

8. Sort the calculations below into the correct box on the sorting table.

Less than 2	Equal to 2	Greater than 2

A. $4\frac{4}{9} - 2\frac{3}{4} =$	B. $5\frac{8}{12} - 3\frac{4}{11} =$	C. $5\frac{4}{8} - \frac{21}{6} =$
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HW/Ext

9. Some of the numerators and denominators have been missed out of the statements below.

A. $3\frac{\square}{8} - \frac{11}{\square} <$	$4\frac{\square}{7} - 2\frac{2}{\square}$
B. $4\frac{9}{\square} - \frac{\square}{7} >$	$5\frac{5}{\square} - 4\frac{\square}{5}$

Fill in the missing numerators and denominators to make each statement correct.



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Subtracting Fractions

Developing

1. A = incorrect; B = correct; C = incorrect

2. A = greater than 2, B = less than 2, C = equal to 2

3. A. Various answers, for example:

$$4\frac{9}{10} - 1\frac{1}{5} > 8\frac{3}{5} - 5\frac{1}{10} ; 4\frac{8}{10} - 1\frac{1}{10} > 8\frac{4}{5} - 5\frac{1}{5} ;$$

$$4\frac{7}{10} - 1\frac{1}{5} > 8\frac{2}{5} - 5\frac{1}{5}$$

B. Various answers, for example:

$$6\frac{2}{4} - 4\frac{3}{8} < 4\frac{3}{4} - 2\frac{2}{8} ; 6\frac{2}{16} - 4\frac{1}{8} < 4\frac{3}{4} - 2\frac{2}{8} ;$$

$$6\frac{2}{8} - 4\frac{1}{8} < 4\frac{3}{4} - 2\frac{3}{8}$$

Expected

4. A = correct; B = incorrect; C = incorrect

5. A = less than 3, B = equal to 3, C = greater than 3

6. A. Various answers, for example:

$$3\frac{2}{5} - 1\frac{1}{3} < 4\frac{2}{3} - 2\frac{1}{5} ; 3\frac{4}{5} - 1\frac{1}{2} < 4\frac{2}{3} - 2\frac{1}{10} ;$$

$$3\frac{2}{5} - 1\frac{1}{10} < 4\frac{2}{3} - 2\frac{1}{15}$$

B. Various answers, for example:

$$5\frac{4}{5} - 3\frac{1}{4} > 6\frac{3}{4} - 4\frac{2}{5} ; 5\frac{4}{5} - 3\frac{2}{4} > 6\frac{3}{4} - 4\frac{3}{5} ;$$

$$5\frac{4}{5} - 3\frac{1}{4} > 6\frac{3}{5} - 4\frac{2}{5}$$

Greater Depth

7. A = incorrect; B = incorrect; C = correct

8. A = less than 2, B = greater than 2, C = equal to 2

9. A. Various possible answers, for example:

$$3\frac{2}{8} - \frac{11}{7} < 4\frac{2}{7} - 2\frac{2}{8} ; 3\frac{1}{8} - \frac{11}{4} < 4\frac{4}{7} - 2\frac{2}{4} ;$$

$$3\frac{7}{8} - \frac{11}{4} < 4\frac{1}{7} - 2\frac{2}{8}$$

B. Various answers, for example:

$$4\frac{9}{10} - \frac{19}{7} > 5\frac{5}{7} - 4\frac{1}{5} ; 4\frac{9}{15} - \frac{17}{7} > 5\frac{5}{7} - 4\frac{3}{5} ;$$

$$4\frac{9}{14} - \frac{23}{7} > 5\frac{5}{7} - 4\frac{3}{5}$$