Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-4}{5} + \dfrac{-1}{-3} \div \dfrac{-1}{-5}$

2. $B = \dfrac{1}{7} \div \dfrac{-1}{-7} + \dfrac{4}{-5}$

3. $C = \dfrac{5}{-7} - \dfrac{-3}{5} \times \dfrac{-3}{-5}$

4. $D = \dfrac{-5}{-7} \times \dfrac{4}{-5} - \dfrac{2}{3}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-2}{7} - \dfrac{-4}{5} \times \dfrac{-3}{-7}$

2. $B = \dfrac{1}{3} \div \dfrac{5}{-7} - \dfrac{-3}{-7}$

3. $C = \dfrac{-1}{-2} + \dfrac{2}{-5} \div \dfrac{-2}{3}$

4. $D = \dfrac{2}{7} \times \dfrac{4}{7} + \dfrac{-1}{-3}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-3}{7} \times \dfrac{2}{-7} + \dfrac{2}{7}$

2. $B = \dfrac{-1}{-5} - \dfrac{-1}{-7} \times \dfrac{1}{3}$

3. $C = \dfrac{1}{-2} + \dfrac{-5}{7} \times \dfrac{6}{7}$

4. $D = \dfrac{1}{-5} \times \dfrac{5}{-7} + \dfrac{-6}{-7}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{3}{-7} \div \dfrac{1}{-7} + \dfrac{-3}{5}$

2. $B = \dfrac{1}{-7} - \dfrac{-6}{7} \times \dfrac{-6}{-7}$

3. $C = \dfrac{5}{7} \times \dfrac{1}{7} + \dfrac{2}{-5}$

4. $D = \dfrac{4}{-5} - \dfrac{-3}{-5} \div \dfrac{-1}{3}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-3}{5} \div \dfrac{1}{-3} + \dfrac{-4}{5}$

2. $B = \dfrac{-4}{5} + \dfrac{-2}{-5} \div \dfrac{-1}{-7}$

3. $C = \dfrac{6}{-7} \times \dfrac{2}{7} + \dfrac{-5}{7}$

4. $D = \dfrac{6}{-7} - \dfrac{-2}{-5} \times \dfrac{-3}{-7}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \frac{2}{3} + \frac{-5}{7} \times \frac{-1}{2}$

2. $B = \frac{1}{2} \div \frac{-1}{-5} - \frac{-1}{3}$

3. $C = \frac{3}{5} \div \frac{4}{-5} - \frac{5}{-7}$

4. $D = \frac{-1}{-2} - \frac{-3}{5} \times \frac{3}{-5}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-4}{5} \div \dfrac{-3}{7} + \dfrac{6}{-7}$

2. $B = \dfrac{-5}{-7} - \dfrac{1}{5} \times \dfrac{-2}{-7}$

3. $C = \dfrac{-5}{7} - \dfrac{-1}{-7} \times \dfrac{-1}{-2}$

4. $D = \dfrac{2}{-5} \div \dfrac{1}{-2} + \dfrac{1}{-3}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{4}{-5} + \dfrac{3}{5} \div \dfrac{-5}{-7}$

2. $B = \dfrac{-3}{-5} \times \dfrac{-6}{7} - \dfrac{1}{-3}$

3. $C = \dfrac{-4}{7} + \dfrac{5}{-7} \times \dfrac{-1}{5}$

4. $D = \dfrac{3}{5} \div \dfrac{-1}{5} - \dfrac{-6}{-7}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-1}{-7} - \dfrac{-1}{-5} \div \dfrac{-4}{-7}$

2. $B = \dfrac{-1}{-3} \times \dfrac{-2}{5} - \dfrac{-5}{7}$

3. $C = \dfrac{-2}{5} \times \dfrac{-1}{3} - \dfrac{3}{5}$

4. $D = \dfrac{-5}{-7} - \dfrac{3}{7} \times \dfrac{-5}{7}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-5}{-7} \div \dfrac{-3}{-5} - \dfrac{1}{-5}$

2. $B = \dfrac{1}{-5} - \dfrac{3}{5} \times \dfrac{3}{-5}$

3. $C = \dfrac{-2}{-5} \times \dfrac{-3}{-5} - \dfrac{-3}{-5}$

4. $D = \dfrac{4}{-5} - \dfrac{3}{-5} \times \dfrac{-2}{3}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-5}{7} + \dfrac{-2}{-3} \div \dfrac{2}{5}$

2. $B = \dfrac{1}{-2} \times \dfrac{-2}{3} - \dfrac{1}{-2}$

3. $C = \dfrac{3}{7} + \dfrac{4}{-7} \div \dfrac{5}{-7}$

4. $D = \dfrac{1}{5} \div \dfrac{-3}{7} + \dfrac{4}{-7}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{6}{-7} \div \dfrac{5}{-7} - \dfrac{-3}{-7}$

2. $B = \dfrac{-3}{5} + \dfrac{-3}{-5} \times \dfrac{2}{5}$

3. $C = \dfrac{2}{-5} + \dfrac{-4}{-5} \times \dfrac{-2}{-7}$

4. $D = \dfrac{2}{7} \div \dfrac{1}{3} - \dfrac{1}{2}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-3}{-7} \times \dfrac{-3}{-5} - \dfrac{-4}{5}$

2. $B = \dfrac{1}{2} - \dfrac{1}{7} \times \dfrac{2}{-5}$

3. $C = \dfrac{-2}{-3} \times \dfrac{-5}{-7} - \dfrac{-3}{-5}$

4. $D = \dfrac{-2}{5} + \dfrac{2}{7} \div \dfrac{-3}{-7}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{6}{-7} - \dfrac{-4}{-7} \times \dfrac{-5}{7}$

2. $B = \dfrac{2}{-3} \times \dfrac{-6}{7} - \dfrac{3}{7}$

3. $C = \dfrac{6}{-7} - \dfrac{-3}{5} \div \dfrac{2}{-5}$

4. $D = \dfrac{-5}{7} \times \dfrac{1}{-3} - \dfrac{-6}{-7}$

Test 4C23

EX 1

Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \frac{1}{3} \div \frac{5}{-7} + \frac{-3}{-5}$

2. $B = \frac{2}{5} - \frac{3}{-5} \div \frac{-5}{-7}$

3. $C = \frac{-1}{-7} \div \frac{-4}{7} - \frac{1}{7}$

4. $D = \frac{1}{3} + \frac{2}{7} \div \frac{5}{-7}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \frac{1}{3} - \frac{-1}{-2} \times \frac{4}{7}$

2. $B = \frac{6}{-7} \times \frac{-4}{5} + \frac{3}{5}$

3. $C = \frac{3}{7} \times \frac{1}{3} - \frac{6}{-7}$

4. $D = \frac{-4}{7} + \frac{-3}{7} \div \frac{4}{5}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \frac{3}{5} \div \frac{2}{-5} + \frac{-3}{5}$

2. $B = \frac{3}{-7} - \frac{1}{-2} \div \frac{2}{-7}$

3. $C = \frac{-4}{5} - \frac{-2}{3} \times \frac{3}{-5}$

4. $D = \frac{4}{-5} \times \frac{-1}{5} + \frac{1}{-2}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-3}{-7} \div \dfrac{2}{-5} - \dfrac{-6}{7}$

2. $B = \dfrac{-2}{-7} + \dfrac{-2}{-3} \div \dfrac{-4}{7}$

3. $C = \dfrac{-1}{2} \times \dfrac{2}{3} + \dfrac{-2}{-3}$

4. $D = \dfrac{-3}{7} - \dfrac{-3}{-5} \times \dfrac{-5}{-7}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \frac{1}{5} \times \frac{1}{5} - \frac{2}{5}$

2. $B = \frac{-5}{-7} + \frac{-1}{-2} \div \frac{-3}{7}$

3. $C = \frac{-6}{7} \div \frac{-2}{-5} + \frac{-6}{-7}$

4. $D = \frac{1}{-5} + \frac{-2}{-3} \times \frac{1}{-2}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \frac{2}{3} \div \frac{-1}{3} + \frac{-2}{7}$

2. $B = \frac{-3}{7} + \frac{2}{5} \times \frac{4}{-5}$

3. $C = \frac{-6}{-7} - \frac{-2}{-5} \times \frac{-3}{-5}$

4. $D = \frac{1}{7} \times \frac{-4}{5} + \frac{4}{-7}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-6}{7} \div \dfrac{1}{2} - \dfrac{-3}{-5}$

2. $B = \dfrac{4}{5} + \dfrac{-1}{-2} \times \dfrac{-1}{5}$

3. $C = \dfrac{2}{7} + \dfrac{-3}{5} \times \dfrac{-3}{-5}$

4. $D = \dfrac{-3}{7} \times \dfrac{3}{7} - \dfrac{-2}{3}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-3}{7} \times \dfrac{1}{-5} + \dfrac{-2}{5}$

2. $B = \dfrac{-3}{-7} + \dfrac{-6}{7} \times \dfrac{-4}{-7}$

3. $C = \dfrac{-5}{-7} \div \dfrac{-4}{7} - \dfrac{-2}{-3}$

4. $D = \dfrac{-5}{-7} + \dfrac{-6}{-7} \div \dfrac{2}{-7}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \dfrac{-5}{-7} + \dfrac{-2}{-7} \times \dfrac{-4}{-7}$

2. $B = \dfrac{-2}{-7} \times \dfrac{1}{-7} - \dfrac{4}{7}$

3. $C = \dfrac{-4}{-7} - \dfrac{-2}{7} \div \dfrac{3}{-7}$

4. $D = \dfrac{3}{-7} \times \dfrac{-2}{5} + \dfrac{-4}{7}$

Test 4C23

EX 1 Calculer sous la forme d'un nombre rationnel relatif irréductible

4C23-1

1. $A = \frac{4}{7} + \frac{-3}{-7} \times \frac{2}{-3}$

2. $B = \frac{1}{7} \div \frac{2}{-5} - \frac{1}{7}$

3. $C = \frac{-3}{5} \times \frac{-2}{5} - \frac{-2}{-5}$

4. $D = \frac{-3}{5} + \frac{4}{7} \times \frac{-1}{-3}$

Test 4C23

Test 4C23

Corrections

EX 1

1.
$$\begin{aligned}
A &= \frac{-4}{5}+\frac{-1}{-3}\div\frac{-1}{-5}\\
A &= \frac{-4}{5}+\frac{-1}{-3}\times\frac{-5}{-1}\\
A &= \frac{-4}{5}+\frac{-1\times-5}{-3\times-1}\\
A &= \frac{-4}{5}+\frac{5}{3}\\
A &= \frac{-4\times\mathbf{3}}{5\times\mathbf{3}}+\frac{5\times\mathbf{5}}{3\times\mathbf{5}}\\
A &= \frac{-12}{15}+\frac{25}{15}\\
A &= \frac{13}{15}
\end{aligned}$$

2.
$$\begin{aligned}
B &= \frac{1}{7}\div\frac{-1}{-7}+\frac{4}{-5}\\
B &= \frac{1}{7}\times\frac{-7}{-1}+\frac{4}{-5}\\
B &= \frac{1}{7}\times\frac{-7}{-1}+\frac{4}{-5}\\
B &= \frac{1\times-7}{7\times-1}+\frac{4}{-5}\\
B &= \frac{-7}{-7}+\frac{4}{-5}\\
B &= \frac{-1\times\cancel{7}}{-1\times\cancel{7}}+\frac{4}{-5}\\
B &= \frac{-1\times\mathbf{-5}}{-1\times\mathbf{-5}}+\frac{4\times\mathbf{-1}}{-5\times\mathbf{-1}}\\
B &= \frac{5}{5}+\frac{-4}{5}\\
B &= \frac{1}{5}
\end{aligned}$$

3.
$$\begin{aligned}
C &= \frac{5}{-7}-\frac{-3}{5}\times\frac{-3}{-5}\\
C &= \frac{5}{-7}-\frac{-3\times-3}{5\times-5}\\
C &= \frac{5}{-7}-\frac{9}{-25}\\
C &= \frac{5\times\mathbf{-25}}{-7\times\mathbf{-25}}-\frac{9\times\mathbf{-7}}{-25\times\mathbf{-7}}\\
C &= \frac{-125}{175}-\frac{-63}{175}\\
C &= \frac{-62}{175}\\
C &= -\frac{62}{175}
\end{aligned}$$

4.
$$\begin{aligned}
D &= \frac{-5}{-7}\times\frac{4}{-5}-\frac{2}{3}\\
D &= \frac{-5}{-7}\times\frac{4}{-5}-\frac{2}{3}\\
D &= \frac{-5\times4}{-7\times-5}-\frac{2}{3}\\
D &= \frac{-20}{35}-\frac{2}{3}\\
D &= \frac{-4\times\cancel{5}}{7\times\cancel{5}}-\frac{2}{3}\\
D &= \frac{-4\times\mathbf{3}}{7\times\mathbf{3}}-\frac{2\times\mathbf{7}}{3\times\mathbf{7}}\\
D &= \frac{-12}{21}-\frac{14}{21}\\
D &= \frac{-26}{21}\\
D &= -\frac{26}{21}
\end{aligned}$$

Test 4C23

Test 4C23

Corrections

EX 1

1. $A = \frac{-2}{7} - \frac{-4}{5} \times \frac{-3}{-7}$

$A = \frac{-2}{7} - \frac{-4 \times -3}{5 \times -7}$

$A = \frac{-2}{7} - \frac{12}{-35}$

$A = \frac{-2 \times -5}{7 \times -5} - \frac{12}{-35}$

$A = \frac{10}{-35} - \frac{12}{-35}$

$A = \frac{-2}{-35}$

$A = \frac{2}{35}$

2. $B = \frac{1}{3} \div \frac{5}{-7} - \frac{-3}{-7}$

$B = \frac{1}{3} \times \frac{-7}{5} - \frac{-3}{-7}$

$B = \frac{1}{3} \times \frac{-7}{5} - \frac{-3}{-7}$

$B = \frac{1 \times -7}{3 \times 5} - \frac{-3}{-7}$

$B = \frac{-7}{15} - \frac{-3}{-7}$

$B = \frac{-7 \times -7}{15 \times -7} - \frac{-3 \times 15}{-7 \times 15}$

$B = \frac{49}{-105} - \frac{-45}{-105}$

$B = \frac{94}{-105}$

$B = -\frac{94}{105}$

3. $C = \frac{-1}{-2} + \frac{2}{-5} \div \frac{-2}{3}$

$C = \frac{-1}{-2} + \frac{2}{-5} \times \frac{3}{-2}$

$C = \frac{-1}{-2} + \frac{2 \times 3}{-5 \times -2}$

$C = \frac{-1}{-2} + \frac{6}{10}$

$C = \frac{-1 \times 5}{-2 \times 5} + \frac{6 \times -1}{10 \times -1}$

$C = \frac{-5}{-10} + \frac{-6}{-10}$

$C = \frac{-11}{-10}$

$C = \frac{11}{10}$

4. $D = \frac{2}{7} \times \frac{4}{7} + \frac{-1}{-3}$

$D = \frac{2}{7} \times \frac{4}{7} + \frac{-1}{-3}$

$D = \frac{2 \times 4}{7 \times 7} + \frac{-1}{-3}$

$D = \frac{8}{49} + \frac{-1}{-3}$

$D = \frac{8 \times -3}{49 \times -3} + \frac{-1 \times 49}{-3 \times 49}$

$D = \frac{-24}{-147} + \frac{-49}{-147}$

$D = \frac{-73}{-147}$

$D = \frac{73}{147}$

Test 4C23

Corrections

EX 1

1.
$$\begin{aligned}
A &= \frac{-3}{7} \times \frac{2}{-7} + \frac{2}{7} \\
A &= \frac{-3}{7} \times \frac{2}{-7} + \frac{2}{7} \\
A &= \frac{-3 \times 2}{7 \times -7} + \frac{2}{7} \\
A &= \frac{-6}{-49} + \frac{2}{7} \\
A &= \frac{-6}{-49} + \frac{2 \times -7}{7 \times -7} \\
A &= \frac{-6}{-49} + \frac{-14}{-49} \\
A &= \frac{-20}{-49} \\
A &= \frac{20}{49}
\end{aligned}$$

2.
$$\begin{aligned}
B &= \frac{-1}{-5} - \frac{-1}{-7} \times \frac{1}{3} \\
B &= \frac{-1}{-5} - \frac{-1 \times 1}{-7 \times 3} \\
B &= \frac{-1}{-5} - \frac{-1}{-21} \\
B &= \frac{-1 \times -21}{-5 \times -21} - \frac{-1 \times -5}{-21 \times -5} \\
B &= \frac{21}{105} - \frac{5}{105} \\
B &= \frac{16}{105}
\end{aligned}$$

3.
$$\begin{aligned}
C &= \frac{1}{-2} + \frac{-5}{7} \times \frac{6}{7} \\
C &= \frac{1}{-2} + \frac{-5 \times 6}{7 \times 7} \\
C &= \frac{1}{-2} + \frac{-30}{49} \\
C &= \frac{1 \times 49}{-2 \times 49} + \frac{-30 \times -2}{49 \times -2} \\
C &= \frac{49}{-98} + \frac{60}{-98} \\
C &= \frac{109}{-98} \\
C &= -\frac{109}{98}
\end{aligned}$$

4.
$$\begin{aligned}
D &= \frac{1}{-5} \times \frac{5}{-7} + \frac{-6}{-7} \\
D &= \frac{1}{-5} \times \frac{5}{-7} + \frac{-6}{-7} \\
D &= \frac{1 \times 5}{-5 \times -7} + \frac{-6}{-7} \\
D &= \frac{5}{35} + \frac{-6}{-7} \\
D &= \frac{5 \times -1}{35 \times -1} + \frac{-6 \times 5}{-7 \times 5} \\
D &= \frac{-5}{-35} + \frac{-30}{-35} \\
D &= \frac{-35}{-35} \\
D &= 1
\end{aligned}$$

Test 4C23

Test 4C23

Corrections

EX 1

1. $A = \frac{3}{-7} \div \frac{1}{-7} + \frac{-3}{5}$

$A = \frac{3}{-7} \times -7 + \frac{-3}{5}$

$A = \frac{3}{-7} \times -7 + \frac{-3}{5}$

$A = \frac{3 \times -7}{-7 \times 1} + \frac{-3}{5}$

$A = \frac{-21}{-7} + \frac{-3}{5}$

$A = \frac{-21 \times 5}{-7 \times 5} + \frac{-3 \times -7}{5 \times -7}$

$A = \frac{-105}{-35} + \frac{21}{-35}$

$A = \frac{-84}{-35}$

$A = \frac{12 \times 7}{5 \times 7}$

$A = \frac{12}{5}$

2. $B = \frac{1}{-7} - \frac{-6}{7} \times \frac{-6}{-7}$

$B = \frac{1}{-7} - \frac{-6 \times -6}{7 \times -7}$

$B = \frac{1}{-7} - \frac{36}{-49}$

$B = \frac{1 \times -7}{-7 \times -7} - \frac{36 \times -1}{-49 \times -1}$

$B = \frac{-7}{49} - \frac{-36}{49}$

$B = \frac{29}{49}$

3. $C = \frac{5}{7} \times \frac{1}{7} + \frac{2}{-5}$

$C = \frac{5}{7} \times \frac{1}{7} + \frac{2}{-5}$

$C = \frac{5 \times 1}{7 \times 7} + \frac{2}{-5}$

$C = \frac{5}{49} + \frac{2}{-5}$

$C = \frac{5 \times -5}{49 \times -5} + \frac{2 \times 49}{-5 \times 49}$

$C = \frac{-25}{-245} + \frac{98}{-245}$

$C = \frac{73}{-245}$

$C = -\frac{73}{245}$

4. $D = \frac{4}{-5} - \frac{-3}{-5} \div \frac{-1}{3}$

$D = \frac{4}{-5} - \frac{-3}{-5} \times \frac{3}{-1}$

$D = \frac{4}{-5} - \frac{-3 \times 3}{-5 \times -1}$

$D = \frac{4}{-5} - \frac{-9}{5}$

$D = \frac{4}{-5} - \frac{-9 \times -1}{5 \times -1}$

$D = \frac{4}{-5} - \frac{9}{-5}$

$D = \frac{-5}{-5}$

$D = 1$

Test 4C23

Corrections

EX 1

1.
$$\begin{aligned} A &= \frac{-3}{5} \div \frac{1}{-3} + \frac{-4}{5} \\ A &= \frac{-3}{5} \times -3 + \frac{-4}{5} \\ A &= \frac{-3}{5} \times -3 + \frac{-4}{5} \\ A &= \frac{-3 \times -3}{5 \times 1} + \frac{-4}{5} \\ A &= \frac{9}{5} + \frac{-4}{5} \\ A &= \frac{9}{5} + \frac{-4}{5} \\ A &= \frac{5}{5} \\ A &= 1 \end{aligned}$$

2.
$$\begin{aligned} B &= \frac{-4}{5} + \frac{-2}{-5} \div \frac{-1}{-7} \\ B &= \frac{-4}{5} + \frac{-2}{-5} \times \frac{-7}{-1} \\ B &= \frac{-4}{5} + \frac{-2 \times -7}{-5 \times -1} \\ B &= \frac{-4}{5} + \frac{14}{5} \\ B &= \frac{-4}{5} + \frac{14}{5} \\ B &= \frac{10}{5} \\ B &= 2 \end{aligned}$$

3.
$$\begin{aligned} C &= \frac{6}{-7} \times \frac{2}{7} + \frac{-5}{7} \\ C &= \frac{6}{-7} \times \frac{2}{7} + \frac{-5}{7} \\ C &= \frac{6 \times 2}{-7 \times 7} + \frac{-5}{7} \\ C &= \frac{12}{-49} + \frac{-5}{7} \\ C &= \frac{12}{-49} + \frac{-5 \times -7}{7 \times -7} \\ C &= \frac{12}{-49} + \frac{35}{-49} \\ C &= \frac{47}{-49} \\ C &= -\frac{47}{49} \end{aligned}$$

4.
$$\begin{aligned} D &= \frac{6}{-7} - \frac{-2}{-5} \times \frac{-3}{-7} \\ D &= \frac{6}{-7} - \frac{-2 \times -3}{-5 \times -7} \\ D &= \frac{6}{-7} - \frac{6}{35} \\ D &= \frac{6 \times 5}{-7 \times 5} - \frac{6 \times -1}{35 \times -1} \\ D &= \frac{30}{-35} - \frac{-6}{-35} \\ D &= \frac{36}{-35} \\ D &= -\frac{36}{35} \end{aligned}$$

Test 4C23

Test 4C23

Corrections

EX 1

1.
$$\begin{aligned} A &= \frac{2}{3}+\frac{-5}{7}\times\frac{-1}{2} \\ A &= \frac{2}{3}+\frac{-5\times-1}{7\times2} \\ A &= \frac{2}{3}+\frac{5}{14} \\ A &= \frac{2\times14}{3\times14}+\frac{5\times3}{14\times3} \\ A &= \frac{28}{42}+\frac{15}{42} \\ A &= \frac{43}{42} \end{aligned}$$

2.
$$\begin{aligned} B &= \frac{1}{2}\div\frac{-1}{-5}-\frac{-1}{3} \\ B &= \frac{1}{2}\times\frac{-5}{-1}-\frac{-1}{3} \\ B &= \frac{1}{2}\times\frac{-5}{-1}-\frac{-1}{3} \\ B &= \frac{1\times-5}{2\times-1}-\frac{-1}{3} \\ B &= \frac{-5}{-2}-\frac{-1}{3} \\ B &= \frac{-5\times3}{-2\times3}-\frac{-1\times-2}{3\times-2} \\ B &= \frac{-15}{-6}-\frac{2}{-6} \\ B &= \frac{-17}{-6} \\ B &= \frac{17}{6} \end{aligned}$$

3.
$$\begin{aligned} C &= \frac{3}{5}\div\frac{4}{-5}-\frac{5}{-7} \\ C &= \frac{3}{5}\times\frac{-5}{4}-\frac{5}{-7} \\ C &= \frac{3}{5}\times\frac{-5}{4}-\frac{5}{-7} \\ C &= \frac{3\times-5}{5\times4}-\frac{5}{-7} \\ C &= \frac{-15}{20}-\frac{5}{-7} \\ C &= \frac{-15\times-7}{20\times-7}-\frac{5\times20}{-7\times20} \\ C &= \frac{105}{-140}-\frac{100}{-140} \\ C &= \frac{5}{-140} \\ C &= -\frac{1\times5}{28\times5} \\ C &= -\frac{1}{28} \end{aligned}$$

4.
$$\begin{aligned} D &= \frac{-1}{-2}-\frac{-3}{5}\times\frac{3}{-5} \\ D &= \frac{-1}{-2}-\frac{-3\times3}{5\times-5} \\ D &= \frac{-1}{-2}-\frac{-9}{-25} \\ D &= \frac{-1\times-25}{-2\times-25}-\frac{-9\times-2}{-25\times-2} \\ D &= \frac{25}{50}-\frac{18}{50} \\ D &= \frac{7}{50} \end{aligned}$$

Test 4C23

Corrections

EX 1

1. $A = \frac{-4}{5} \div \frac{-3}{7} + \frac{6}{-7}$

$A = \frac{-4}{5} \times \frac{7}{-3} + \frac{6}{-7}$

$A = \frac{-4}{5} \times \frac{7}{-3} + \frac{6}{-7}$

$A = \frac{-4 \times 7}{5 \times -3} + \frac{6}{-7}$

$A = \frac{-28}{-15} + \frac{6}{-7}$

$A = \frac{-28\times \mathbf{-7}}{-15\times \mathbf{-7}} + \frac{6\times \mathbf{-15}}{-7\times \mathbf{-15}}$

$A = \frac{196}{105} + \frac{-90}{105}$

$A = \frac{106}{105}$

2. $B = \frac{-5}{-7} - \frac{1}{5} \times \frac{-2}{-7}$

$B = \frac{-5}{-7} - \frac{1 \times -2}{5 \times -7}$

$B = \frac{-5}{-7} - \frac{-2}{-35}$

$B = \frac{-5\times \mathbf{-5}}{-7\times \mathbf{-5}} - \frac{-2\times \mathbf{-1}}{-35\times \mathbf{-1}}$

$B = \frac{25}{35} - \frac{2}{35}$

$B = \frac{23}{35}$

3. $C = \frac{-5}{7} - \frac{-1}{-7} \times \frac{-1}{-2}$

$C = \frac{-5}{7} - \frac{-1 \times -1}{-7 \times -2}$

$C = \frac{-5}{7} - \frac{1}{14}$

$C = \frac{-5\times \mathbf{2}}{7\times \mathbf{2}} - \frac{1}{14}$

$C = \frac{-10}{14} - \frac{1}{14}$

$C = \frac{-11}{14}$

$C = -\frac{11}{14}$

4. $D = \frac{2}{-5} \div \frac{1}{-2} + \frac{1}{-3}$

$D = \frac{2}{-5} \times -2 + \frac{1}{-3}$

$D = \frac{2}{-5} \times -2 + \frac{1}{-3}$

$D = \frac{2 \times -2}{-5 \times 1} + \frac{1}{-3}$

$D = \frac{-4}{-5} + \frac{1}{-3}$

$D = \frac{-4\times \mathbf{-3}}{-5\times \mathbf{-3}} + \frac{1\times \mathbf{-5}}{-3\times \mathbf{-5}}$

$D = \frac{12}{15} + \frac{-5}{15}$

$D = \frac{7}{15}$

Test 4C23

Corrections

Test 4C23

EX 1

1.
$$A = \frac{4}{-5} + \frac{3}{5} \div \frac{-5}{-7}$$
$$A = \frac{4}{-5} + \frac{3}{5} \times \frac{-7}{-5}$$
$$A = \frac{4}{-5} + \frac{3 \times -7}{5 \times -5}$$
$$A = \frac{4}{-5} + \frac{-21}{-25}$$
$$A = \frac{4 \times -5}{-5 \times -5} + \frac{-21 \times -1}{-25 \times -1}$$
$$A = \frac{-20}{25} + \frac{21}{25}$$
$$A = \frac{1}{25}$$

2.
$$B = \frac{-3}{-5} \times \frac{-6}{7} - \frac{1}{-3}$$
$$B = \frac{-3}{-5} \times \frac{-6}{7} - \frac{1}{-3}$$
$$B = \frac{-3 \times -6}{-5 \times 7} - \frac{1}{-3}$$
$$B = \frac{18}{-35} - \frac{1}{-3}$$
$$B = \frac{18 \times -3}{-35 \times -3} - \frac{1 \times -35}{-3 \times -35}$$
$$B = \frac{-54}{105} - \frac{-35}{105}$$
$$B = \frac{-19}{105}$$
$$B = -\frac{19}{105}$$

3.
$$C = \frac{-4}{7} + \frac{5}{-7} \times \frac{-1}{5}$$
$$C = \frac{-4}{7} + \frac{5 \times -1}{-7 \times 5}$$
$$C = \frac{-4}{7} + \frac{-5}{-35}$$
$$C = \frac{-4 \times -5}{7 \times -5} + \frac{-5}{-35}$$
$$C = \frac{20}{-35} + \frac{-5}{-35}$$
$$C = \frac{15}{-35}$$
$$C = -\frac{3 \times 5}{7 \times 5}$$
$$C = -\frac{3}{7}$$

4.
$$D = \frac{3}{5} \div \frac{-1}{5} - \frac{-6}{-7}$$
$$D = \frac{3}{5} \times \frac{5}{-1} - \frac{-6}{-7}$$
$$D = \frac{3}{5} \times \frac{5}{-1} - \frac{-6}{-7}$$
$$D = \frac{3 \times 5}{5 \times -1} - \frac{-6}{-7}$$
$$D = \frac{15}{-5} - \frac{-6}{-7}$$
$$D = \frac{3 \times \cancel{5}}{-1 \times \cancel{5}} - \frac{-6}{-7}$$
$$D = \frac{3 \times -7}{-1 \times -7} - \frac{-6 \times -1}{-7 \times -1}$$
$$D = \frac{-21}{7} - \frac{6}{7}$$
$$D = \frac{-27}{7}$$
$$D = -\frac{27}{7}$$

Test 4C23

Test 4C23

Corrections

EX 1

1.
$$\begin{aligned}
A &= \frac{-1}{-7} - \frac{-1}{-5} \div \frac{-4}{-7} \\
A &= \frac{-1}{-7} - \frac{-1}{-5} \times \frac{-7}{-4} \\
A &= \frac{-1}{-7} - \frac{-1 \times -7}{-5 \times -4} \\
A &= \frac{-1}{-7} - \frac{7}{20} \\
A &= \frac{-1 \times 20}{-7 \times 20} - \frac{7 \times -7}{20 \times -7} \\
A &= \frac{-20}{-140} - \frac{-49}{-140} \\
A &= \frac{29}{-140} \\
A &= -\frac{29}{140}
\end{aligned}$$

2.
$$\begin{aligned}
B &= \frac{-1}{-3} \times \frac{-2}{5} - \frac{-5}{7} \\
B &= \frac{-1}{-3} \times \frac{-2}{5} - \frac{-5}{7} \\
B &= \frac{-1 \times -2}{-3 \times 5} - \frac{-5}{7} \\
B &= \frac{2}{-15} - \frac{-5}{7} \\
B &= \frac{2 \times 7}{-15 \times 7} - \frac{-5 \times -15}{7 \times -15} \\
B &= \frac{14}{-105} - \frac{75}{-105} \\
B &= \frac{-61}{-105} \\
B &= \frac{61}{105}
\end{aligned}$$

3.
$$\begin{aligned}
C &= \frac{-2}{5} \times \frac{-1}{3} - \frac{3}{5} \\
C &= \frac{-2}{5} \times \frac{-1}{3} - \frac{3}{5} \\
C &= \frac{-2 \times -1}{5 \times 3} - \frac{3}{5} \\
C &= \frac{2}{15} - \frac{3}{5} \\
C &= \frac{2}{15} - \frac{3 \times 3}{5 \times 3} \\
C &= \frac{2}{15} - \frac{9}{15} \\
C &= \frac{-7}{15} \\
C &= -\frac{7}{15}
\end{aligned}$$

4.
$$\begin{aligned}
D &= \frac{-5}{-7} - \frac{3}{7} \times \frac{-5}{7} \\
D &= \frac{-5}{-7} - \frac{3 \times -5}{7 \times 7} \\
D &= \frac{-5}{-7} - \frac{-15}{49} \\
D &= \frac{-5 \times 7}{-7 \times 7} - \frac{-15 \times -1}{49 \times -1} \\
D &= \frac{-35}{-49} - \frac{15}{-49} \\
D &= \frac{-50}{-49} \\
D &= \frac{50}{49}
\end{aligned}$$

Test 4C23

Corrections

EX 1

1. $A = \dfrac{-5}{-7} \div \dfrac{-3}{-5} - \dfrac{1}{-5}$

$A = \dfrac{-5}{-7} \times \dfrac{-5}{-3} - \dfrac{1}{-5}$

$A = \dfrac{-5}{-7} \times \dfrac{-5}{-3} - \dfrac{1}{-5}$

$A = \dfrac{-5 \times -5}{-7 \times -3} - \dfrac{1}{-5}$

$A = \dfrac{25}{21} - \dfrac{1}{-5}$

$A = \dfrac{25\times -5}{21\times -5} - \dfrac{1\times 21}{-5\times 21}$

$A = \dfrac{-125}{-105} - \dfrac{21}{-105}$

$A = \dfrac{-146}{-105}$

$A = \dfrac{146}{105}$

2. $B = \dfrac{1}{-5} - \dfrac{3}{5} \times \dfrac{3}{-5}$

$B = \dfrac{1}{-5} - \dfrac{3 \times 3}{5 \times -5}$

$B = \dfrac{1}{-5} - \dfrac{9}{-25}$

$B = \dfrac{1\times -5}{-5\times -5} - \dfrac{9\times -1}{-25\times -1}$

$B = \dfrac{-5}{25} - \dfrac{-9}{25}$

$B = \dfrac{4}{25}$

3. $C = \dfrac{-2}{-5} \times \dfrac{-3}{-5} - \dfrac{-3}{-5}$

$C = \dfrac{-2}{-5} \times \dfrac{-3}{-5} - \dfrac{-3}{-5}$

$C = \dfrac{-2 \times -3}{-5 \times -5} - \dfrac{-3}{-5}$

$C = \dfrac{6}{25} - \dfrac{-3}{-5}$

$C = \dfrac{6\times -1}{25\times -1} - \dfrac{-3\times 5}{-5\times 5}$

$C = \dfrac{-6}{-25} - \dfrac{-15}{-25}$

$C = \dfrac{9}{-25}$

$C = -\dfrac{9}{25}$

4. $D = \dfrac{4}{-5} - \dfrac{3}{-5} \times \dfrac{-2}{3}$

$D = \dfrac{4}{-5} - \dfrac{3 \times -2}{-5 \times 3}$

$D = \dfrac{4}{-5} - \dfrac{-6}{-15}$

$D = \dfrac{4}{-5} - \dfrac{-2 \times \cancel{3}}{-5 \times \cancel{3}}$

$D = \dfrac{4}{-5} - \dfrac{-2}{-5}$

$D = \dfrac{6}{-5}$

$D = -\dfrac{6}{5}$

Test 4C23

Corrections

Test 4C23

EX 1

1.
$$A = \frac{-5}{7} + \frac{-2}{-3} \div \frac{2}{5}$$
$$A = \frac{-5}{7} + \frac{-2}{-3} \times \frac{5}{2}$$
$$A = \frac{-5}{7} + \frac{-2 \times 5}{-3 \times 2}$$
$$A = \frac{-5}{7} + \frac{-10}{-6}$$
$$A = \frac{-5 \times -6}{7 \times -6} + \frac{-10 \times 7}{-6 \times 7}$$
$$A = \frac{30}{-42} + \frac{-70}{-42}$$
$$A = \frac{-40}{-42}$$
$$A = \frac{20 \times 2}{21 \times 2}$$
$$A = \frac{20}{21}$$

2.
$$B = \frac{1}{-2} \times \frac{-2}{3} - \frac{1}{-2}$$
$$B = \frac{1}{-2} \times \frac{-2}{3} - \frac{1}{-2}$$
$$B = \frac{1 \times -2}{-2 \times 3} - \frac{1}{-2}$$
$$B = \frac{-2}{-6} - \frac{1}{-2}$$
$$B = \frac{-2 \times -1}{-6 \times -1} - \frac{1 \times -3}{-2 \times -3}$$
$$B = \frac{2}{6} - \frac{-3}{6}$$
$$B = \frac{5}{6}$$

3.
$$C = \frac{3}{7} + \frac{4}{-7} \div \frac{5}{-7}$$
$$C = \frac{3}{7} + \frac{4}{-7} \times \frac{-7}{5}$$
$$C = \frac{3}{7} + \frac{4 \times -7}{-7 \times 5}$$
$$C = \frac{3}{7} + \frac{-28}{-35}$$
$$C = \frac{3 \times -5}{7 \times -5} + \frac{-28}{-35}$$
$$C = \frac{-15}{-35} + \frac{-28}{-35}$$
$$C = \frac{-43}{-35}$$
$$C = \frac{43}{35}$$

4.
$$D = \frac{1}{5} \div \frac{-3}{7} + \frac{4}{-7}$$
$$D = \frac{1}{5} \times \frac{7}{-3} + \frac{4}{-7}$$
$$D = \frac{1}{5} \times \frac{7}{-3} + \frac{4}{-7}$$
$$D = \frac{1 \times 7}{5 \times -3} + \frac{4}{-7}$$
$$D = \frac{7}{-15} + \frac{4}{-7}$$
$$D = \frac{7 \times -7}{-15 \times -7} + \frac{4 \times -15}{-7 \times -15}$$
$$D = \frac{-49}{105} + \frac{-60}{105}$$
$$D = \frac{-109}{105}$$
$$D = -\frac{109}{105}$$

Test 4C23

Test 4C23

Corrections

EX 1

1.
$$\begin{aligned}
A &= \frac{6}{-7} \div \frac{5}{-7} - \frac{-3}{-7} \\
A &= \frac{6}{-7} \times \frac{-7}{5} - \frac{-3}{-7} \\
A &= \frac{6}{-7} \times \frac{-7}{5} - \frac{-3}{-7} \\
A &= \frac{6 \times -7}{-7 \times 5} - \frac{-3}{-7} \\
A &= \frac{-42}{-35} - \frac{-3}{-7} \\
A &= \frac{-42 \times -1}{-35 \times -1} - \frac{-3 \times -5}{-7 \times -5} \\
A &= \frac{42}{35} - \frac{15}{35} \\
A &= \frac{27}{35}
\end{aligned}$$

2.
$$\begin{aligned}
B &= \frac{-3}{5} + \frac{-3}{-5} \times \frac{2}{5} \\
B &= \frac{-3}{5} + \frac{-3 \times 2}{-5 \times 5} \\
B &= \frac{-3}{5} + \frac{-6}{-25} \\
B &= \frac{-3 \times -5}{5 \times -5} + \frac{-6}{-25} \\
B &= \frac{15}{-25} + \frac{-6}{-25} \\
B &= \frac{9}{-25} \\
B &= -\frac{9}{25}
\end{aligned}$$

3.
$$\begin{aligned}
C &= \frac{2}{-5} + \frac{-4}{-5} \times \frac{-2}{-7} \\
C &= \frac{2}{-5} + \frac{-4 \times -2}{-5 \times -7} \\
C &= \frac{2}{-5} + \frac{8}{35} \\
C &= \frac{2 \times 7}{-5 \times 7} + \frac{8 \times -1}{35 \times -1} \\
C &= \frac{14}{-35} + \frac{-8}{-35} \\
C &= \frac{6}{-35} \\
C &= -\frac{6}{35}
\end{aligned}$$

4.
$$\begin{aligned}
D &= \frac{2}{7} \div \frac{1}{3} - \frac{1}{2} \\
D &= \frac{2}{7} \times 3 - \frac{1}{2} \\
D &= \frac{2}{7} \times 3 - \frac{1}{2} \\
D &= \frac{2 \times 3}{7 \times 1} - \frac{1}{2} \\
D &= \frac{6}{7} - \frac{1}{2} \\
D &= \frac{6 \times 2}{7 \times 2} - \frac{1 \times 7}{2 \times 7} \\
D &= \frac{12}{14} - \frac{7}{14} \\
D &= \frac{5}{14}
\end{aligned}$$

Test 4C23

Test 4C23

Corrections

EX 1

1. $A = \frac{-3}{-7} \times \frac{-3}{-5} - \frac{-4}{5}$

$A = \frac{-3}{-7} \times \frac{-3}{-5} - \frac{-4}{5}$

$A = \frac{-3 \times -3}{-7 \times -5} - \frac{-4}{5}$

$A = \frac{9}{35} - \frac{-4}{5}$

$A = \frac{9}{35} - \frac{-4 \times 7}{5 \times 7}$

$A = \frac{9}{35} - \frac{-28}{35}$

$A = \frac{37}{35}$

2. $B = \frac{1}{2} - \frac{1}{7} \times \frac{2}{-5}$

$B = \frac{1}{2} - \frac{1 \times 2}{7 \times -5}$

$B = \frac{1}{2} - \frac{2}{-35}$

$B = \frac{1 \times -35}{2 \times -35} - \frac{2 \times 2}{-35 \times 2}$

$B = \frac{-35}{-70} - \frac{4}{-70}$

$B = \frac{-39}{-70}$

$B = \frac{39}{70}$

3. $C = \frac{-2}{-3} \times \frac{-5}{-7} - \frac{-3}{-5}$

$C = \frac{-2}{-3} \times \frac{-5}{-7} - \frac{-3}{-5}$

$C = \frac{-2 \times -5}{-3 \times -7} - \frac{-3}{-5}$

$C = \frac{10}{21} - \frac{-3}{-5}$

$C = \frac{10 \times -5}{21 \times -5} - \frac{-3 \times 21}{-5 \times 21}$

$C = \frac{-50}{-105} - \frac{-63}{-105}$

$C = \frac{13}{-105}$

$C = -\frac{13}{105}$

4. $D = \frac{-2}{5} + \frac{2}{7} \div \frac{-3}{-7}$

$D = \frac{-2}{5} + \frac{2}{7} \times \frac{-7}{-3}$

$D = \frac{-2}{5} + \frac{2 \times -7}{7 \times -3}$

$D = \frac{-2}{5} + \frac{-14}{-21}$

$D = \frac{-2 \times -21}{5 \times -21} + \frac{-14 \times 5}{-21 \times 5}$

$D = \frac{42}{-105} + \frac{-70}{-105}$

$D = \frac{-28}{-105}$

$D = \frac{4 \times 7}{15 \times 7}$

$D = \frac{4}{15}$

Test 4C23

Corrections

Test 4C23

EX 1

1. $A = \frac{6}{-7} - \frac{-4}{-7} \times \frac{-5}{7}$

$A = \frac{6}{-7} - \frac{-4 \times -5}{-7 \times 7}$

$A = \frac{6}{-7} - \frac{20}{-49}$

$A = \frac{6\times -7}{-7\times -7} - \frac{20\times -1}{-49\times -1}$

$A = \frac{-42}{49} - \frac{-20}{49}$

$A = \frac{-22}{49}$

$A = -\frac{22}{49}$

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

$B = \frac{2}{-3} \times \frac{-6}{7} - \frac{3}{7}$

$B = \frac{2 \times -6}{-3 \times 7} - \frac{3}{7}$

$B = \frac{-12}{-21} - \frac{3}{7}$

$B = \frac{-12}{-21} - \frac{3\times -3}{7\times -3}$

$B = \frac{-12}{-21} - \frac{-9}{-21}$

$B = \frac{-3}{-21}$

$B = \frac{1\times 3}{7\times 3}$

$B = \frac{1}{7}$

3. $C = \frac{6}{-7} - \frac{-3}{5} \div \frac{2}{-5}$

$C = \frac{6}{-7} - \frac{-3}{5} \times \frac{-5}{2}$

$C = \frac{6}{-7} - \frac{-3 \times -5}{5 \times 2}$

$C = \frac{6}{-7} - \frac{15}{10}$

$C = \frac{6\times 10}{-7\times 10} - \frac{15\times -7}{10\times -7}$

$C = \frac{60}{-70} - \frac{-105}{-70}$

$C = \frac{165}{-70}$

$C = -\frac{33\times 5}{14\times 5}$

$C = -\frac{33}{14}$

4. $D = \frac{-5}{7} \times \frac{1}{-3} - \frac{-6}{-7}$

$D = \frac{-5}{7} \times \frac{1}{-3} - \frac{-6}{-7}$

$D = \frac{-5 \times 1}{7 \times -3} - \frac{-6}{-7}$

$D = \frac{-5}{-21} - \frac{-6}{-7}$

$D = \frac{-5\times -1}{-21\times -1} - \frac{-6\times -3}{-7\times -3}$

$D = \frac{5}{21} - \frac{18}{21}$

$D = \frac{-13}{21}$

$D = -\frac{13}{21}$

Test 4C23

Test 4C23

Corrections

Test 4C23

EX 1

1.
$$\begin{aligned}
A &= \frac{1}{3} \div \frac{5}{-7} + \frac{-3}{-5} \\
A &= \frac{1}{3} \times \frac{-7}{5} + \frac{-3}{-5} \\
A &= \frac{1}{3} \times \frac{-7}{5} + \frac{-3}{-5} \\
A &= \frac{1 \times -7}{3 \times 5} + \frac{-3}{-5} \\
A &= \frac{-7}{15} + \frac{-3}{-5} \\
A &= \frac{-7 \times -1}{15 \times -1} + \frac{-3 \times 3}{-5 \times 3} \\
A &= \frac{7}{-15} + \frac{-9}{-15} \\
A &= \frac{-2}{-15} \\
A &= \frac{2}{15}
\end{aligned}$$

2.
$$\begin{aligned}
B &= \frac{2}{5} - \frac{3}{-5} \div \frac{-5}{-7} \\
B &= \frac{2}{5} - \frac{3}{-5} \times \frac{-7}{-5} \\
B &= \frac{2}{5} - \frac{3 \times -7}{-5 \times -5} \\
B &= \frac{2}{5} - \frac{-21}{25} \\
B &= \frac{2 \times 5}{5 \times 5} - \frac{-21}{25} \\
B &= \frac{10}{25} - \frac{-21}{25} \\
B &= \frac{31}{25}
\end{aligned}$$

3.
$$\begin{aligned}
C &= \frac{-1}{-7} \div \frac{-4}{7} - \frac{1}{7} \\
C &= \frac{-1}{-7} \times \frac{7}{-4} - \frac{1}{7} \\
C &= \frac{-1}{-7} \times \frac{7}{-4} - \frac{1}{7} \\
C &= \frac{-1 \times 7}{-7 \times -4} - \frac{1}{7} \\
C &= \frac{-7}{28} - \frac{1}{7} \\
C &= \frac{-7}{28} - \frac{1 \times 4}{7 \times 4} \\
C &= \frac{-7}{28} - \frac{4}{28} \\
C &= \frac{-11}{28} \\
C &= -\frac{11}{28}
\end{aligned}$$

4.
$$\begin{aligned}
D &= \frac{1}{3} + \frac{2}{7} \div \frac{5}{-7} \\
D &= \frac{1}{3} + \frac{2}{7} \times \frac{-7}{5} \\
D &= \frac{1}{3} + \frac{2 \times -7}{7 \times 5} \\
D &= \frac{1}{3} + \frac{-14}{35} \\
D &= \frac{1}{3} + \frac{-2 \times 7}{5 \times 7} \\
D &= \frac{1 \times 5}{3 \times 5} + \frac{-2 \times 3}{5 \times 3} \\
D &= \frac{5}{15} + \frac{-6}{15} \\
D &= \frac{-1}{15} \\
D &= -\frac{1}{15}
\end{aligned}$$

Test 4C23

Test 4C23

Corrections

Test 4C23

EX 1

1.
$$\begin{aligned}
A &= \frac{1}{3} - \frac{-1}{-2} \times \frac{4}{7} \\
A &= \frac{1}{3} - \frac{-1 \times 4}{-2 \times 7} \\
A &= \frac{1}{3} - \frac{-4}{-14} \\
A &= \frac{1\times -14}{3\times -14} - \frac{-4\times 3}{-14\times 3} \\
A &= \frac{-14}{-42} - \frac{-12}{-42} \\
A &= \frac{-2}{-42} \\
A &= \frac{1\times 2}{21\times 2} \\
A &= \frac{1}{21}
\end{aligned}$$

2.
$$\begin{aligned}
B &= \frac{6}{-7} \times \frac{-4}{5} + \frac{3}{5} \\
B &= \frac{6}{-7} \times \frac{-4}{5} + \frac{3}{5} \\
B &= \frac{6 \times -4}{-7 \times 5} + \frac{3}{5} \\
B &= \frac{-24}{-35} + \frac{3}{5} \\
B &= \frac{-24}{-35} + \frac{3\times -7}{5\times -7} \\
B &= \frac{-24}{-35} + \frac{-21}{-35} \\
B &= \frac{-45}{-35} \\
B &= \frac{9\times 5}{7\times 5} \\
B &= \frac{9}{7}
\end{aligned}$$

3.
$$\begin{aligned}
C &= \frac{3}{7} \times \frac{1}{3} - \frac{6}{-7} \\
C &= \frac{3}{7} \times \frac{1}{3} - \frac{6}{-7} \\
C &= \frac{3 \times 1}{7 \times 3} - \frac{6}{-7} \\
C &= \frac{3}{21} - \frac{6}{-7} \\
C &= \frac{3\times -1}{21\times -1} - \frac{6\times 3}{-7\times 3} \\
C &= \frac{-3}{-21} - \frac{18}{-21} \\
C &= \frac{-21}{-21} \\
C &= 1
\end{aligned}$$

4.
$$\begin{aligned}
D &= \frac{-4}{7} + \frac{-3}{7} \div \frac{4}{5} \\
D &= \frac{-4}{7} + \frac{-3}{7} \times \frac{5}{4} \\
D &= \frac{-4}{7} + \frac{-3 \times 5}{7 \times 4} \\
D &= \frac{-4}{7} + \frac{-15}{28} \\
D &= \frac{-4\times 4}{7\times 4} + \frac{-15}{28} \\
D &= \frac{-16}{28} + \frac{-15}{28} \\
D &= \frac{-31}{28} \\
D &= -\frac{31}{28}
\end{aligned}$$

Test 4C23

Corrections

Test 4C23

EX 1

1.
$$\begin{aligned}
A &= \frac{3}{5} \div \frac{2}{-5} + \frac{-3}{5} \\
A &= \frac{3}{5} \times \frac{-5}{2} + \frac{-3}{5} \\
A &= \frac{3}{5} \times \frac{-5}{2} + \frac{-3}{5} \\
A &= \frac{3 \times -5}{5 \times 2} + \frac{-3}{5} \\
A &= \frac{-15}{10} + \frac{-3}{5} \\
A &= \frac{-15}{10} + \frac{-3 \times 2}{5 \times 2} \\
A &= \frac{-15}{10} + \frac{-6}{10} \\
A &= \frac{-21}{10} \\
A &= -\frac{21}{10}
\end{aligned}$$

2.
$$\begin{aligned}
B &= \frac{3}{-7} - \frac{1}{-2} \div \frac{2}{-7} \\
B &= \frac{3}{-7} - \frac{1}{-2} \times \frac{-7}{2} \\
B &= \frac{3}{-7} - \frac{1 \times -7}{-2 \times 2} \\
B &= \frac{3}{-7} - \frac{-7}{-4} \\
B &= \frac{3 \times -4}{-7 \times -4} - \frac{-7 \times -7}{-4 \times -7} \\
B &= \frac{-12}{28} - \frac{49}{28} \\
B &= \frac{-61}{28} \\
B &= -\frac{61}{28}
\end{aligned}$$

3.
$$\begin{aligned}
C &= \frac{-4}{5} - \frac{-2}{3} \times \frac{3}{-5} \\
C &= \frac{-4}{5} - \frac{-2 \times 3}{3 \times -5} \\
C &= \frac{-4}{5} - \frac{-6}{-15} \\
C &= \frac{-4 \times -3}{5 \times -3} - \frac{-6}{-15} \\
C &= \frac{12}{-15} - \frac{-6}{-15} \\
C &= \frac{18}{-15} \\
C &= -\frac{6 \times 3}{5 \times 3} \\
C &= -\frac{6}{5}
\end{aligned}$$

4.
$$\begin{aligned}
D &= \frac{4}{-5} \times \frac{-1}{5} + \frac{1}{-2} \\
D &= \frac{4}{-5} \times \frac{-1}{5} + \frac{1}{-2} \\
D &= \frac{4 \times -1}{-5 \times 5} + \frac{1}{-2} \\
D &= \frac{-4}{-25} + \frac{1}{-2} \\
D &= \frac{-4 \times -2}{-25 \times -2} + \frac{1 \times -25}{-2 \times -25} \\
D &= \frac{8}{50} + \frac{-25}{50} \\
D &= \frac{-17}{50} \\
D &= -\frac{17}{50}
\end{aligned}$$

Test 4C23

Corrections

Test 4C23

EX 1

1.
$$A = \frac{-3}{-7} \div \frac{2}{-5} - \frac{-6}{7}$$
$$A = \frac{-3}{-7} \times \frac{-5}{2} - \frac{-6}{7}$$
$$A = \frac{-3}{-7} \times \frac{-5}{2} - \frac{-6}{7}$$
$$A = \frac{-3 \times -5}{-7 \times 2} - \frac{-6}{7}$$
$$A = \frac{15}{-14} - \frac{-6}{7}$$
$$A = \frac{15}{-14} - \frac{-6 \times -2}{7 \times -2}$$
$$A = \frac{15}{-14} - \frac{12}{-14}$$
$$A = \frac{3}{-14}$$
$$A = -\frac{3}{14}$$

2.
$$B = \frac{-2}{-7} + \frac{-2}{-3} \div \frac{-4}{7}$$
$$B = \frac{-2}{-7} + \frac{-2}{-3} \times \frac{7}{-4}$$
$$B = \frac{-2}{-7} + \frac{-2 \times 7}{-3 \times -4}$$
$$B = \frac{-2}{-7} + \frac{-14}{12}$$
$$B = \frac{-2 \times 12}{-7 \times 12} + \frac{-14 \times -7}{12 \times -7}$$
$$B = \frac{-24}{-84} + \frac{98}{-84}$$
$$B = \frac{74}{-84}$$
$$B = -\frac{37 \times 2}{42 \times 2}$$
$$B = -\frac{37}{42}$$

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

4.
$$D = \frac{-3}{7} - \frac{-3}{-5} \times \frac{-5}{-7}$$
$$D = \frac{-3}{7} - \frac{-3 \times -5}{-5 \times -7}$$
$$D = \frac{-3}{7} - \frac{15}{35}$$
$$D = \frac{-3}{7} - \frac{3 \times \cancel{5}}{7 \times \cancel{5}}$$
$$D = \frac{-3}{7} - \frac{3}{7}$$
$$D = \frac{-6}{7}$$
$$D = -\frac{6}{7}$$

Test 4C23

Test 4C23

Corrections

Test 4C23

EX 1

1.
$$\begin{aligned} A &= \frac{1}{5}\times\frac{1}{5}-\frac{2}{5}\\ A &= \frac{1}{5}\times\frac{1}{5}-\frac{2}{5}\\ A &= \frac{1\times 1}{5\times 5}-\frac{2}{5}\\ A &= \frac{1}{25}-\frac{2}{5}\\ A &= \frac{1}{25}-\frac{2\times 5}{5\times 5}\\ A &= \frac{1}{25}-\frac{10}{25}\\ A &= \frac{-9}{25}\\ A &= -\frac{9}{25} \end{aligned}$$

2.
$$\begin{aligned} B &= \frac{-5}{-7}+\frac{-1}{-2}\div\frac{-3}{7}\\ B &= \frac{-5}{-7}+\frac{-1}{-2}\times\frac{7}{-3}\\ B &= \frac{-5}{-7}+\frac{-1\times 7}{-2\times -3}\\ B &= \frac{-5}{-7}+\frac{-7}{6}\\ B &= \frac{-5\times 6}{-7\times 6}+\frac{-7\times -7}{6\times -7}\\ B &= \frac{-30}{-42}+\frac{49}{-42}\\ B &= \frac{19}{-42}\\ B &= -\frac{19}{42} \end{aligned}$$

3.
$$\begin{aligned} C &= \frac{-6}{7}\div\frac{-2}{-5}+\frac{-6}{-7}\\ C &= \frac{-6}{7}\times\frac{-5}{-2}+\frac{-6}{-7}\\ C &= \frac{-6}{7}\times\frac{-5}{-2}+\frac{-6}{-7}\\ C &= \frac{-6\times -5}{7\times -2}+\frac{-6}{-7}\\ C &= \frac{30}{-14}+\frac{-6}{-7}\\ C &= \frac{15\times \cancel{2}}{-7\times \cancel{2}}+\frac{-6}{-7}\\ C &= \frac{15}{-7}+\frac{-6}{-7}\\ C &= \frac{9}{-7}\\ C &= -\frac{9}{7} \end{aligned}$$

4.
$$\begin{aligned} D &= \frac{1}{-5}+\frac{-2}{-3}\times\frac{1}{-2}\\ D &= \frac{1}{-5}+\frac{-2\times 1}{-3\times -2}\\ D &= \frac{1}{-5}+\frac{-2}{6}\\ D &= \frac{1\times 6}{-5\times 6}+\frac{-2\times -5}{6\times -5}\\ D &= \frac{6}{-30}+\frac{10}{-30}\\ D &= \frac{16}{-30}\\ D &= -\frac{8\times 2}{15\times 2}\\ D &= -\frac{8}{15} \end{aligned}$$

Test 4C23

Test 4C23

Test 4C23

Corrections

EX 1

1.
$$\begin{aligned}
A &= \frac{2}{3} \div \frac{-1}{3} + \frac{-2}{7} \\
A &= \frac{2}{3} \times \frac{3}{-1} + \frac{-2}{7} \\
A &= \frac{2}{3} \times \frac{3}{-1} + \frac{-2}{7} \\
A &= \frac{2 \times 3}{3 \times -1} + \frac{-2}{7} \\
A &= \frac{6}{-3} + \frac{-2}{7} \\
A &= \frac{6\times\mathbf{7}}{-3\times\mathbf{7}} + \frac{-2\times\mathbf{-3}}{7\times\mathbf{-3}} \\
A &= \frac{42}{-21} + \frac{6}{-21} \\
A &= \frac{48}{-21} \\
A &= -\frac{16\times\mathbf{3}}{7\times\mathbf{3}} \\
A &= -\frac{16}{7}
\end{aligned}$$

2.
$$\begin{aligned}
B &= \frac{-3}{7} + \frac{2}{5} \times \frac{4}{-5} \\
B &= \frac{-3}{7} + \frac{2 \times 4}{5 \times -5} \\
B &= \frac{-3}{7} + \frac{8}{-25} \\
B &= \frac{-3\times\mathbf{-25}}{7\times\mathbf{-25}} + \frac{8\times\mathbf{7}}{-25\times\mathbf{7}} \\
B &= \frac{75}{-175} + \frac{56}{-175} \\
B &= \frac{131}{-175} \\
B &= -\frac{131}{175}
\end{aligned}$$

3.
$$\begin{aligned}
C &= \frac{-6}{-7} - \frac{-2}{-5} \times \frac{-3}{-5} \\
C &= \frac{-6}{-7} - \frac{-2 \times -3}{-5 \times -5} \\
C &= \frac{-6}{-7} - \frac{6}{25} \\
C &= \frac{-6\times\mathbf{25}}{-7\times\mathbf{25}} - \frac{6\times\mathbf{-7}}{25\times\mathbf{-7}} \\
C &= \frac{-150}{-175} - \frac{-42}{-175} \\
C &= \frac{-108}{-175} \\
C &= \frac{108}{175}
\end{aligned}$$

4.
$$\begin{aligned}
D &= \frac{1}{7} \times \frac{-4}{5} + \frac{4}{-7} \\
D &= \frac{1}{7} \times \frac{-4}{5} + \frac{4}{-7} \\
D &= \frac{1 \times -4}{7 \times 5} + \frac{4}{-7} \\
D &= \frac{-4}{35} + \frac{4}{-7} \\
D &= \frac{-4\times\mathbf{-1}}{35\times\mathbf{-1}} + \frac{4\times\mathbf{5}}{-7\times\mathbf{5}} \\
D &= \frac{4}{-35} + \frac{20}{-35} \\
D &= \frac{24}{-35} \\
D &= -\frac{24}{35}
\end{aligned}$$

Test 4C23

Corrections

EX 1

1. $A = \frac{-6}{7} \div \frac{1}{2} - \frac{-3}{-5}$

$A = \frac{-6}{7} \times 2 - \frac{-3}{-5}$

$A = \frac{-6}{7} \times 2 - \frac{-3}{-5}$

$A = \frac{-6 \times 2}{7 \times 1} - \frac{-3}{-5}$

$A = \frac{-12}{7} - \frac{-3}{-5}$

$A = \frac{-12 \times \mathbf{-5}}{7 \times \mathbf{-5}} - \frac{-3 \times \mathbf{7}}{-5 \times \mathbf{7}}$

$A = \frac{60}{-35} - \frac{-21}{-35}$

$A = \frac{81}{-35}$

$A = -\frac{81}{35}$

2. $B = \frac{4}{5} + \frac{-1}{-2} \times \frac{-1}{5}$

$B = \frac{4}{5} + \frac{-1 \times -1}{-2 \times 5}$

$B = \frac{4}{5} + \frac{1}{-10}$

$B = \frac{4 \times \mathbf{-2}}{5 \times \mathbf{-2}} + \frac{1}{-10}$

$B = \frac{-8}{-10} + \frac{1}{-10}$

$B = \frac{-7}{-10}$

$B = \frac{7}{10}$

3. $C = \frac{2}{7} + \frac{-3}{5} \times \frac{-3}{-5}$

$C = \frac{2}{7} + \frac{-3 \times -3}{5 \times -5}$

$C = \frac{2}{7} + \frac{9}{-25}$

$C = \frac{2 \times \mathbf{-25}}{7 \times \mathbf{-25}} + \frac{9 \times \mathbf{7}}{-25 \times \mathbf{7}}$

$C = \frac{-50}{-175} + \frac{63}{-175}$

$C = \frac{13}{-175}$

$C = -\frac{13}{175}$

4. $D = \frac{-3}{7} \times \frac{3}{7} - \frac{-2}{3}$

$D = \frac{-3}{7} \times \frac{3}{7} - \frac{-2}{3}$

$D = \frac{-3 \times 3}{7 \times 7} - \frac{-2}{3}$

$D = \frac{-9}{49} - \frac{-2}{3}$

$D = \frac{-9 \times \mathbf{3}}{49 \times \mathbf{3}} - \frac{-2 \times \mathbf{49}}{3 \times \mathbf{49}}$

$D = \frac{-27}{147} - \frac{-98}{147}$

$D = \frac{71}{147}$

Test 4C23

Corrections

Test 4C23

EX 1

1.

$$A = \frac{-3}{7} \times \frac{1}{-5} + \frac{-2}{5}$$
$$A = \frac{-3}{7} \times \frac{1}{-5} + \frac{-2}{5}$$
$$A = \frac{-3 \times 1}{7 \times -5} + \frac{-2}{5}$$
$$A = \frac{-3}{-35} + \frac{-2}{5}$$
$$A = \frac{-3}{-35} + \frac{-2 \times -7}{5 \times -7}$$
$$A = \frac{-3}{-35} + \frac{14}{-35}$$
$$A = \frac{11}{-35}$$
$$A = -\frac{11}{35}$$

2.

$$B = \frac{-3}{-7} + \frac{-6}{7} \times \frac{-4}{-7}$$
$$B = \frac{-3}{-7} + \frac{-6 \times -4}{7 \times -7}$$
$$B = \frac{-3}{-7} + \frac{24}{-49}$$
$$B = \frac{-3 \times -7}{-7 \times -7} + \frac{24 \times -1}{-49 \times -1}$$
$$B = \frac{21}{49} + \frac{-24}{49}$$
$$B = \frac{-3}{49}$$
$$B = -\frac{3}{49}$$

3.

$$C = \frac{-5}{-7} \div \frac{-4}{7} - \frac{-2}{-3}$$
$$C = \frac{-5}{-7} \times \frac{7}{-4} - \frac{-2}{-3}$$
$$C = \frac{-5 \times 7}{-7 \times -4} - \frac{-2}{-3}$$
$$C = \frac{-35}{28} - \frac{-2}{-3}$$
$$C = \frac{-35 \times -3}{28 \times -3} - \frac{-2 \times 28}{-3 \times 28}$$
$$C = \frac{105}{-84} - \frac{-56}{-84}$$
$$C = \frac{161}{-84}$$
$$C = -\frac{23 \times 7}{12 \times 7}$$
$$C = -\frac{23}{12}$$

4.

$$D = \frac{-5}{-7} + \frac{-6}{-7} \div \frac{2}{-7}$$
$$D = \frac{-5}{-7} + \frac{-6}{-7} \times \frac{-7}{2}$$
$$D = \frac{-5}{-7} + \frac{-6 \times -7}{-7 \times 2}$$
$$D = \frac{-5}{-7} + \frac{42}{-14}$$
$$D = \frac{-5}{-7} + \frac{3 \times \cancel{14}}{-1 \times \cancel{14}}$$
$$D = \frac{-5 \times -1}{-7 \times -1} + \frac{3 \times -7}{-1 \times -7}$$
$$D = \frac{5}{7} + \frac{-21}{7}$$
$$D = \frac{-16}{7}$$
$$D = -\frac{16}{7}$$

Test 4C23

Test 4C23

Corrections

Test 4C23

EX 1

1.
$$A = \frac{-5}{-7} + \frac{-2}{-7} \times \frac{-4}{-7}$$
$$A = \frac{-5}{-7} + \frac{-2 \times -4}{-7 \times -7}$$
$$A = \frac{-5}{-7} + \frac{8}{49}$$
$$A = \frac{-5 \times 7}{-7 \times 7} + \frac{8 \times -1}{49 \times -1}$$
$$A = \frac{-35}{-49} + \frac{-8}{-49}$$
$$A = \frac{-43}{-49}$$
$$A = \frac{43}{49}$$

2.
$$B = \frac{-2}{-7} \times \frac{1}{-7} - \frac{4}{7}$$
$$B = \frac{-2}{-7} \times \frac{1}{-7} - \frac{4}{7}$$
$$B = \frac{-2 \times 1}{-7 \times -7} - \frac{4}{7}$$
$$B = \frac{-2}{49} - \frac{4}{7}$$
$$B = \frac{-2}{49} - \frac{4 \times 7}{7 \times 7}$$
$$B = \frac{-2}{49} - \frac{28}{49}$$
$$B = \frac{-30}{49}$$
$$B = -\frac{30}{49}$$

3.
$$C = \frac{-4}{-7} - \frac{-2}{7} \div \frac{3}{-7}$$
$$C = \frac{-4}{-7} - \frac{-2}{7} \times \frac{-7}{3}$$
$$C = \frac{-4}{-7} - \frac{-2 \times -7}{7 \times 3}$$
$$C = \frac{-4}{-7} - \frac{14}{21}$$
$$C = \frac{-4 \times 3}{-7 \times 3} - \frac{14 \times -1}{21 \times -1}$$
$$C = \frac{-12}{-21} - \frac{-14}{-21}$$
$$C = \frac{2}{-21}$$
$$C = -\frac{2}{21}$$

4.
$$D = \frac{3}{-7} \times \frac{-2}{5} + \frac{-4}{7}$$
$$D = \frac{3}{-7} \times \frac{-2}{5} + \frac{-4}{7}$$
$$D = \frac{3 \times -2}{-7 \times 5} + \frac{-4}{7}$$
$$D = \frac{-6}{-35} + \frac{-4}{7}$$
$$D = \frac{-6}{-35} + \frac{-4 \times -5}{7 \times -5}$$
$$D = \frac{-6}{-35} + \frac{20}{-35}$$
$$D = \frac{14}{-35}$$
$$D = -\frac{2 \times 7}{5 \times 7}$$
$$D = -\frac{2}{5}$$

Test 4C23

Corrections

EX 1

1.
$$\begin{aligned} A &= \frac{4}{7}+\frac{-3}{-7}\times\frac{2}{-3} \\ A &= \frac{4}{7}+\frac{-3\times 2}{-7\times -3} \\ A &= \frac{4}{7}+\frac{-6}{21} \\ A &= \frac{4}{7}+\frac{-2\times \cancel{3}}{7\times \cancel{3}} \\ A &= \frac{4}{7}+\frac{-2}{7} \\ A &= \frac{2}{7} \end{aligned}$$

2.
$$\begin{aligned} B &= \frac{1}{7}\div\frac{2}{-5}-\frac{1}{7} \\ B &= \frac{1}{7}\times\frac{-5}{2}-\frac{1}{7} \\ B &= \frac{1}{7}\times\frac{-5}{2}-\frac{1}{7} \\ B &= \frac{1\times -5}{7\times 2}-\frac{1}{7} \\ B &= \frac{-5}{14}-\frac{1}{7} \\ B &= \frac{-5}{14}-\frac{1\times 2}{7\times 2} \\ B &= \frac{-5}{14}-\frac{2}{14} \\ B &= \frac{-7}{14} \\ B &= -\frac{1\times 7}{2\times 7} \\ B &= -\frac{1}{2} \end{aligned}$$

3.
$$\begin{aligned} C &= \frac{-3}{5}\times\frac{-2}{5}-\frac{-2}{-5} \\ C &= \frac{-3}{5}\times\frac{-2}{5}-\frac{-2}{-5} \\ C &= \frac{-3\times -2}{5\times 5}-\frac{-2}{-5} \\ C &= \frac{6}{25}-\frac{-2}{-5} \\ C &= \frac{6\times -1}{25\times -1}-\frac{-2\times 5}{-5\times 5} \\ C &= \frac{-6}{-25}-\frac{-10}{-25} \\ C &= \frac{4}{-25} \\ C &= -\frac{4}{25} \end{aligned}$$

4.
$$\begin{aligned} D &= \frac{-3}{5}+\frac{4}{7}\times\frac{-1}{-3} \\ D &= \frac{-3}{5}+\frac{4\times -1}{7\times -3} \\ D &= \frac{-3}{5}+\frac{-4}{-21} \\ D &= \frac{-3\times -21}{5\times -21}+\frac{-4\times 5}{-21\times 5} \\ D &= \frac{63}{-105}+\frac{-20}{-105} \\ D &= \frac{43}{-105} \\ D &= -\frac{43}{105} \end{aligned}$$