EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{11}{12} - \dfrac{1}{2} =$

2. $\dfrac{8}{9} + \dfrac{13}{27} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{2}{7} + \dfrac{7}{56} =$

2. $\dfrac{41}{24} - \dfrac{4}{3} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{8}{9} - \dfrac{8}{54} =$

2. $\dfrac{3}{7} + \dfrac{9}{28} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{7}{5} + \dfrac{8}{50} =$

2. $\dfrac{4}{5} - \dfrac{12}{30} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{15}{10} - \dfrac{6}{5} =$

2. $\dfrac{14}{33} + \dfrac{6}{3} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{19}{16} + \dfrac{9}{8} =$

2. $\dfrac{70}{63} - \dfrac{4}{7} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{8}{2} - \dfrac{1}{16} =$

2. $\dfrac{17}{12} + \dfrac{9}{3} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{18}{54} + \dfrac{5}{6} =$

2. $\dfrac{11}{18} - \dfrac{1}{2} =$

EX 1   Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2   Calculer :

5N20

1. $\dfrac{4}{2} - \dfrac{8}{14} =$

2. $\dfrac{2}{3} + \dfrac{10}{9} =$

EX 3   Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{11}{6} + \dfrac{4}{2} =$

2. $\dfrac{8}{4} - \dfrac{21}{20} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{4}{40} + \dfrac{3}{4} =$

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

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{9}{6} - \dfrac{30}{60} =$

2. $\dfrac{13}{20} + \dfrac{8}{4} =$

EX 1   Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2   Calculer :

5N20

1. $\dfrac{42}{14} - \dfrac{4}{2} =$

2. $\dfrac{1}{9} + \dfrac{12}{63} =$

EX 3   Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{9}{7} - \dfrac{4}{42} =$

2. $\dfrac{13}{12} + \dfrac{7}{4} =$

EX 1 Calculer

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

1. $\dfrac{42}{25} - \dfrac{3}{5} =$

2. $\dfrac{1}{30} + \dfrac{7}{6} =$

EX 3 Calculer et simplifier au maximum le résultat.

1. $\dfrac{5}{4} + \dfrac{11}{44} =$

2. $\dfrac{74}{50} - \dfrac{4}{5} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{8}{7} + \dfrac{13}{63} =$

2. $\dfrac{14}{24} - \dfrac{2}{8} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{9}{21} + \dfrac{9}{3} =$

2. $\dfrac{11}{16} - \dfrac{4}{8} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{9}{6} - \dfrac{15}{42} =$

2. $\dfrac{2}{16} + \dfrac{3}{2} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{4}{8} + \dfrac{1}{2} =$

2. $\dfrac{6}{2} - \dfrac{4}{12} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{6}{7} + \dfrac{13}{28} =$

2. $\dfrac{3}{4} - \dfrac{5}{8} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{8}{6} - \dfrac{39}{36} =$

2. $\dfrac{6}{2} + \dfrac{2}{14} =$

MathALEA

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{1}{7} + \dfrac{3}{21} =$

2. $\dfrac{8}{2} - \dfrac{7}{4} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{11}{32} + \dfrac{3}{8} =$

2. $\dfrac{6}{9} - \dfrac{13}{45} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{2}{8} - \dfrac{11}{56} =$

2. $\dfrac{5}{8} + \dfrac{11}{88} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{3}{9} + \dfrac{2}{99} =$

2. $\dfrac{6}{3} - \dfrac{4}{6} =$

EX 1   Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2   Calculer :

5N20

1. $\dfrac{9}{5} - \dfrac{43}{50} =$

2. $\dfrac{7}{9} + \dfrac{2}{36} =$

EX 3   Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{81}{81} - \dfrac{6}{9} =$

2. $\dfrac{1}{2} + \dfrac{2}{8} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{90}{90} - \dfrac{2}{9} =$

2. $\dfrac{11}{10} + \dfrac{2}{5} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{3}{6} + \dfrac{17}{12} =$

2. $\dfrac{8}{6} - \dfrac{37}{30} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{15}{18} - \dfrac{2}{9} =$

2. $\dfrac{1}{7} + \dfrac{3}{77} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{6}{2} + \dfrac{18}{22} =$

2. $\dfrac{6}{16} - \dfrac{2}{8} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{27}{27} - \dfrac{7}{9} =$

2. $\dfrac{5}{27} + \dfrac{2}{3} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{27}{27} - \dfrac{1}{3} =$

2. $\dfrac{3}{8} + \dfrac{9}{32} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{13}{56} - \dfrac{1}{8} =$

2. $\dfrac{11}{24} + \dfrac{1}{3} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{7}{28} + \dfrac{9}{7} =$

2. $\dfrac{51}{40} - \dfrac{1}{4} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{1}{4} + \dfrac{9}{24} =$

2. $\dfrac{7}{2} - \dfrac{11}{4} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{9}{7} - \dfrac{26}{77} =$

2. $\dfrac{5}{8} + \dfrac{9}{72} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{81}{72} - \dfrac{3}{8} =$

2. $\dfrac{1}{15} + \dfrac{8}{5} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{36}{24} - \dfrac{7}{6} =$

2. $\dfrac{7}{8} + \dfrac{2}{56} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{2}{8} + \dfrac{15}{48} =$

2. $\dfrac{6}{8} - \dfrac{24}{72} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

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

2. $\dfrac{9}{7} - \dfrac{7}{28} =$

EX 1   Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2   Calculer :

5N20

1. $\dfrac{7}{16} + \dfrac{3}{8} =$

2. $\dfrac{6}{8} - \dfrac{16}{40} =$

EX 3   Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{4}{14} + \dfrac{2}{7} =$

2. $\dfrac{13}{10} - \dfrac{2}{5} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{9}{3} + \dfrac{4}{30} =$

2. $\dfrac{59}{48} - \dfrac{2}{6} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{13}{15} + \dfrac{2}{3} =$

2. $\dfrac{5}{2} - \dfrac{25}{16} =$

EX 1 Calculer

6C23

1. $\dfrac{9}{2} + \dfrac{10}{2} =$

2. $\dfrac{5}{3} + \dfrac{2}{3} =$

EX 2 Calculer :

5N20

1. $\dfrac{5}{2} - \dfrac{5}{10} =$

2. $\dfrac{13}{64} + \dfrac{2}{8} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{8}{3} - \dfrac{32}{15} =$

2. $\dfrac{8}{27} + \dfrac{6}{9} =$

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{11}{12} - \dfrac{1}{2} = \dfrac{11}{12} - \dfrac{1\times 6}{2\times 6} = \dfrac{11}{12} - \dfrac{6}{12} = \dfrac{11-6}{12} = \dfrac{5}{12}$

2. $\dfrac{8}{9} + \dfrac{13}{27} = \dfrac{8\times 3}{9\times 3} + \dfrac{13}{27} = \dfrac{24}{27} + \dfrac{13}{27} = \dfrac{24+13}{27} = \dfrac{37}{27}$

EX 3

1. $\dfrac{2}{7} + \dfrac{7}{56} = \dfrac{2\times 8}{7\times 8} + \dfrac{7}{56} = \dfrac{16}{56} + \dfrac{7}{56} = \dfrac{16+7}{56} = \dfrac{23}{56}$

2. $\dfrac{41}{24} - \dfrac{4}{3} = \dfrac{41}{24} - \dfrac{4\times 8}{3\times 8} = \dfrac{41}{24} - \dfrac{32}{24} = \dfrac{41-32}{24} = \dfrac{9}{24} = \dfrac{3\times 3}{8\times 3} = \dfrac{3}{8}$

MathALEA

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{8}{9} - \dfrac{8}{54} = \dfrac{8\times\textbf{6}}{9\times\textbf{6}} - \dfrac{8}{54} = \dfrac{48}{54} - \dfrac{8}{54} = \dfrac{48-8}{54} = \dfrac{40}{54}$

2. $\dfrac{3}{7} + \dfrac{9}{28} = \dfrac{3\times\textbf{4}}{7\times\textbf{4}} + \dfrac{9}{28} = \dfrac{12}{28} + \dfrac{9}{28} = \dfrac{12+9}{28} = \dfrac{21}{28}$

EX 3

1. $\dfrac{7}{5} + \dfrac{8}{50} = \dfrac{7\times\textbf{10}}{5\times\textbf{10}} + \dfrac{8}{50} = \dfrac{70}{50} + \dfrac{8}{50} = \dfrac{70+8}{50} = \dfrac{78}{50} = \dfrac{39\times\textbf{2}}{25\times\textbf{2}} = \dfrac{39}{25}$

2. $\dfrac{4}{5} - \dfrac{12}{30} = \dfrac{4\times\textbf{6}}{5\times\textbf{6}} - \dfrac{12}{30} = \dfrac{24}{30} - \dfrac{12}{30} = \dfrac{24-12}{30} = \dfrac{12}{30} = \dfrac{2\times\textbf{6}}{5\times\textbf{6}} = \dfrac{2}{5}$

MathALEA

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{15}{10} - \dfrac{6}{5} = \dfrac{15}{10} - \dfrac{6\times 2}{5\times 2} = \dfrac{15}{10} - \dfrac{12}{10} = \dfrac{15-12}{10} = \dfrac{3}{10}$

2. $\dfrac{14}{33} + \dfrac{6}{3} = \dfrac{14}{33} + \dfrac{6\times 11}{3\times 11} = \dfrac{14}{33} + \dfrac{66}{33} = \dfrac{14+66}{33} = \dfrac{80}{33}$

EX 3

1. $\dfrac{19}{16} + \dfrac{9}{8} = \dfrac{19}{16} + \dfrac{9\times 2}{8\times 2} = \dfrac{19}{16} + \dfrac{18}{16} = \dfrac{19+18}{16} = \dfrac{37}{16}$

2. $\dfrac{70}{63} - \dfrac{4}{7} = \dfrac{70}{63} - \dfrac{4\times 9}{7\times 9} = \dfrac{70}{63} - \dfrac{36}{63} = \dfrac{70-36}{63} = \dfrac{34}{63}$

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{8}{2} - \dfrac{1}{16} = \dfrac{8\times\mathbf{8}}{2\times\mathbf{8}} - \dfrac{1}{16} = \dfrac{64}{16} - \dfrac{1}{16} = \dfrac{64-1}{16} = \dfrac{63}{16}$

2. $\dfrac{17}{12} + \dfrac{9}{3} = \dfrac{17}{12} + \dfrac{9\times\mathbf{4}}{3\times\mathbf{4}} = \dfrac{17}{12} + \dfrac{36}{12} = \dfrac{17+36}{12} = \dfrac{53}{12}$

EX 3

1. $\dfrac{18}{54} + \dfrac{5}{6} = \dfrac{18}{54} + \dfrac{5\times\mathbf{9}}{6\times\mathbf{9}} = \dfrac{18}{54} + \dfrac{45}{54} = \dfrac{18+45}{54} = \dfrac{63}{54} = \dfrac{7\times\mathbf{9}}{6\times\mathbf{9}} = \dfrac{7}{6}$

2. $\dfrac{11}{18} - \dfrac{1}{2} = \dfrac{11}{18} - \dfrac{1\times\mathbf{9}}{2\times\mathbf{9}} = \dfrac{11}{18} - \dfrac{9}{18} = \dfrac{11-9}{18} = \dfrac{2}{18} = \dfrac{1\times\mathbf{2}}{9\times\mathbf{2}} = \dfrac{1}{9}$

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{4}{2} - \dfrac{8}{14} = \dfrac{4\times\mathbf{7}}{2\times\mathbf{7}} - \dfrac{8}{14} = \dfrac{28}{14} - \dfrac{8}{14} = \dfrac{28-8}{14} = \dfrac{20}{14}$

2. $\dfrac{2}{3} + \dfrac{10}{9} = \dfrac{2\times\mathbf{3}}{3\times\mathbf{3}} + \dfrac{10}{9} = \dfrac{6}{9} + \dfrac{10}{9} = \dfrac{6+10}{9} = \dfrac{16}{9}$

EX 3

1. $\dfrac{11}{6} + \dfrac{4}{2} = \dfrac{11}{6} + \dfrac{4\times\mathbf{3}}{2\times\mathbf{3}} = \dfrac{11}{6} + \dfrac{12}{6} = \dfrac{11+12}{6} = \dfrac{23}{6}$

2. $\dfrac{8}{4} - \dfrac{21}{20} = \dfrac{8\times\mathbf{5}}{4\times\mathbf{5}} - \dfrac{21}{20} = \dfrac{40}{20} - \dfrac{21}{20} = \dfrac{40-21}{20} = \dfrac{19}{20}$

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{4}{40} + \dfrac{3}{4} = \dfrac{4}{40} + \dfrac{3\times\mathbf{10}}{4\times\mathbf{10}} = \dfrac{4}{40} + \dfrac{30}{40} = \dfrac{4+30}{40} = \dfrac{34}{40}$

2. $\dfrac{5}{3} - \dfrac{1}{6} = \dfrac{5\times\mathbf{2}}{3\times\mathbf{2}} - \dfrac{1}{6} = \dfrac{10}{6} - \dfrac{1}{6} = \dfrac{10-1}{6} = \dfrac{9}{6}$

EX 3

1. $\dfrac{9}{6} - \dfrac{30}{60} = \dfrac{9\times\mathbf{10}}{6\times\mathbf{10}} - \dfrac{30}{60} = \dfrac{90}{60} - \dfrac{30}{60} = \dfrac{90-30}{60} = \dfrac{60}{60} = 1$

2. $\dfrac{13}{20} + \dfrac{8}{4} = \dfrac{13}{20} + \dfrac{8\times\mathbf{5}}{4\times\mathbf{5}} = \dfrac{13}{20} + \dfrac{40}{20} = \dfrac{13+40}{20} = \dfrac{53}{20}$

MathALEA

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{42}{14} - \dfrac{4}{2} = \dfrac{42}{14} - \dfrac{4\times\mathbf{7}}{2\times\mathbf{7}} = \dfrac{42}{14} - \dfrac{28}{14} = \dfrac{42-28}{14} = \dfrac{14}{14}$

2. $\dfrac{1}{9} + \dfrac{12}{63} = \dfrac{1\times\mathbf{7}}{9\times\mathbf{7}} + \dfrac{12}{63} = \dfrac{7}{63} + \dfrac{12}{63} = \dfrac{7+12}{63} = \dfrac{19}{63}$

EX 3

1. $\dfrac{9}{7} - \dfrac{4}{42} = \dfrac{9\times\mathbf{6}}{7\times\mathbf{6}} - \dfrac{4}{42} = \dfrac{54}{42} - \dfrac{4}{42} = \dfrac{54-4}{42} = \dfrac{50}{42} = \dfrac{25\times\mathbf{2}}{21\times\mathbf{2}} = \dfrac{25}{21}$

2. $\dfrac{13}{12} + \dfrac{7}{4} = \dfrac{13}{12} + \dfrac{7\times\mathbf{3}}{4\times\mathbf{3}} = \dfrac{13}{12} + \dfrac{21}{12} = \dfrac{13+21}{12} = \dfrac{34}{12} = \dfrac{17\times\mathbf{2}}{6\times\mathbf{2}} = \dfrac{17}{6}$

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{42}{25} - \dfrac{3}{5} = \dfrac{42}{25} - \dfrac{3\times 5}{5\times 5} = \dfrac{42}{25} - \dfrac{15}{25} = \dfrac{42-15}{25} = \dfrac{27}{25}$

2. $\dfrac{1}{30} + \dfrac{7}{6} = \dfrac{1}{30} + \dfrac{7\times 5}{6\times 5} = \dfrac{1}{30} + \dfrac{35}{30} = \dfrac{1+35}{30} = \dfrac{36}{30}$

EX 3

1. $\dfrac{5}{4} + \dfrac{11}{44} = \dfrac{5\times 11}{4\times 11} + \dfrac{11}{44} = \dfrac{55}{44} + \dfrac{11}{44} = \dfrac{55+11}{44} = \dfrac{66}{44} = \dfrac{3\times 22}{2\times 22} = \dfrac{3}{2}$

2. $\dfrac{74}{50} - \dfrac{4}{5} = \dfrac{74}{50} - \dfrac{4\times 10}{5\times 10} = \dfrac{74}{50} - \dfrac{40}{50} = \dfrac{74-40}{50} = \dfrac{34}{50} = \dfrac{17\times 2}{25\times 2} = \dfrac{17}{25}$

MathALEA

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{8}{7} + \dfrac{13}{63} = \dfrac{8\times\mathbf{9}}{7\times\mathbf{9}} + \dfrac{13}{63} = \dfrac{72}{63} + \dfrac{13}{63} = \dfrac{72+13}{63} = \dfrac{85}{63}$

2. $\dfrac{14}{24} - \dfrac{2}{8} = \dfrac{14}{24} - \dfrac{2\times\mathbf{3}}{8\times\mathbf{3}} = \dfrac{14}{24} - \dfrac{6}{24} = \dfrac{14-6}{24} = \dfrac{8}{24}$

EX 3

1. $\dfrac{9}{21} + \dfrac{9}{3} = \dfrac{9}{21} + \dfrac{9\times\mathbf{7}}{3\times\mathbf{7}} = \dfrac{9}{21} + \dfrac{63}{21} = \dfrac{9+63}{21} = \dfrac{72}{21} = \dfrac{24\times\mathbf{3}}{7\times\mathbf{3}} = \dfrac{24}{7}$

2. $\dfrac{11}{16} - \dfrac{4}{8} = \dfrac{11}{16} - \dfrac{4\times\mathbf{2}}{8\times\mathbf{2}} = \dfrac{11}{16} - \dfrac{8}{16} = \dfrac{11-8}{16} = \dfrac{3}{16}$

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{9}{6} - \dfrac{15}{42} = \dfrac{9 \times \mathbf{7}}{6 \times \mathbf{7}} - \dfrac{15}{42} = \dfrac{63}{42} - \dfrac{15}{42} = \dfrac{63 - 15}{42} = \dfrac{48}{42}$

2. $\dfrac{2}{16} + \dfrac{3}{2} = \dfrac{2}{16} + \dfrac{3 \times \mathbf{8}}{2 \times \mathbf{8}} = \dfrac{2}{16} + \dfrac{24}{16} = \dfrac{2 + 24}{16} = \dfrac{26}{16}$

EX 3

1. $\dfrac{4}{8} + \dfrac{1}{2} = \dfrac{4}{8} + \dfrac{1 \times \mathbf{4}}{2 \times \mathbf{4}} = \dfrac{4}{8} + \dfrac{4}{8} = \dfrac{4 + 4}{8} = \dfrac{8}{8} = \dfrac{1 \times \mathbf{8}}{1 \times \mathbf{8}} = 1$

2. $\dfrac{6}{2} - \dfrac{4}{12} = \dfrac{6 \times \mathbf{6}}{2 \times \mathbf{6}} - \dfrac{4}{12} = \dfrac{36}{12} - \dfrac{4}{12} = \dfrac{36 - 4}{12} = \dfrac{32}{12} = \dfrac{8 \times \mathbf{4}}{3 \times \mathbf{4}} = \dfrac{8}{3}$

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{6}{7} + \dfrac{13}{28} = \dfrac{6\times\mathbf{4}}{7\times\mathbf{4}} + \dfrac{13}{28} = \dfrac{24}{28} + \dfrac{13}{28} = \dfrac{24+13}{28} = \dfrac{37}{28}$

2. $\dfrac{3}{4} - \dfrac{5}{8} = \dfrac{3\times\mathbf{2}}{4\times\mathbf{2}} - \dfrac{5}{8} = \dfrac{6}{8} - \dfrac{5}{8} = \dfrac{6-5}{8} = \dfrac{1}{8}$

EX 3

1. $\dfrac{8}{6} - \dfrac{39}{36} = \dfrac{8\times\mathbf{6}}{6\times\mathbf{6}} - \dfrac{39}{36} = \dfrac{48}{36} - \dfrac{39}{36} = \dfrac{48-39}{36} = \dfrac{9}{36} = \dfrac{1\times\mathbf{9}}{4\times\mathbf{9}} = \dfrac{1}{4}$

2. $\dfrac{6}{2} + \dfrac{2}{14} = \dfrac{6\times\mathbf{7}}{2\times\mathbf{7}} + \dfrac{2}{14} = \dfrac{42}{14} + \dfrac{2}{14} = \dfrac{42+2}{14} = \dfrac{44}{14} = \dfrac{22\times\mathbf{2}}{7\times\mathbf{2}} = \dfrac{22}{7}$

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{1}{7} + \dfrac{3}{21} = \dfrac{1 \times \mathbf{3}}{7 \times \mathbf{3}} + \dfrac{3}{21} = \dfrac{3}{21} + \dfrac{3}{21} = \dfrac{3+3}{21} = \dfrac{6}{21}$

2. $\dfrac{8}{2} - \dfrac{7}{4} = \dfrac{8 \times \mathbf{2}}{2 \times \mathbf{2}} - \dfrac{7}{4} = \dfrac{16}{4} - \dfrac{7}{4} = \dfrac{16-7}{4} = \dfrac{9}{4}$

EX 3

1. $\dfrac{11}{32} + \dfrac{3}{8} = \dfrac{11}{32} + \dfrac{3 \times \mathbf{4}}{8 \times \mathbf{4}} = \dfrac{11}{32} + \dfrac{12}{32} = \dfrac{11+12}{32} = \dfrac{23}{32}$

2. $\dfrac{6}{9} - \dfrac{13}{45} = \dfrac{6 \times \mathbf{5}}{9 \times \mathbf{5}} - \dfrac{13}{45} = \dfrac{30}{45} - \dfrac{13}{45} = \dfrac{30-13}{45} = \dfrac{17}{45}$

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{2}{8} - \dfrac{11}{56} = \dfrac{2\times 7}{8\times 7} - \dfrac{11}{56} = \dfrac{14}{56} - \dfrac{11}{56} = \dfrac{14-11}{56} = \dfrac{3}{56}$

2. $\dfrac{5}{8} + \dfrac{11}{88} = \dfrac{5\times 11}{8\times 11} + \dfrac{11}{88} = \dfrac{55}{88} + \dfrac{11}{88} = \dfrac{55+11}{88} = \dfrac{66}{88}$

EX 3

1. $\dfrac{3}{9} + \dfrac{2}{99} = \dfrac{3\times 11}{9\times 11} + \dfrac{2}{99} = \dfrac{33}{99} + \dfrac{2}{99} = \dfrac{33+2}{99} = \dfrac{35}{99}$

2. $\dfrac{6}{3} - \dfrac{4}{6} = \dfrac{6\times 2}{3\times 2} - \dfrac{4}{6} = \dfrac{12}{6} - \dfrac{4}{6} = \dfrac{12-4}{6} = \dfrac{8}{6} = \dfrac{4\times 2}{3\times 2} = \dfrac{4}{3}$

MathALEA

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{9}{5} - \dfrac{43}{50} = \dfrac{9\times\mathbf{10}}{5\times\mathbf{10}} - \dfrac{43}{50} = \dfrac{90}{50} - \dfrac{43}{50} = \dfrac{90-43}{50} = \dfrac{47}{50}$

2. $\dfrac{7}{9} + \dfrac{2}{36} = \dfrac{7\times\mathbf{4}}{9\times\mathbf{4}} + \dfrac{2}{36} = \dfrac{28}{36} + \dfrac{2}{36} = \dfrac{28+2}{36} = \dfrac{30}{36}$

EX 3

1. $\dfrac{81}{81} - \dfrac{6}{9} = \dfrac{81}{81} - \dfrac{6\times\mathbf{9}}{9\times\mathbf{9}} = \dfrac{81}{81} - \dfrac{54}{81} = \dfrac{81-54}{81} = \dfrac{27}{81} = \dfrac{1\times\mathbf{27}}{3\times\mathbf{27}} = \dfrac{1}{3}$

2. $\dfrac{1}{2} + \dfrac{2}{8} = \dfrac{1\times\mathbf{4}}{2\times\mathbf{4}} + \dfrac{2}{8} = \dfrac{4}{8} + \dfrac{2}{8} = \dfrac{4+2}{8} = \dfrac{6}{8} = \dfrac{3\times\mathbf{2}}{4\times\mathbf{2}} = \dfrac{3}{4}$

MathALEA

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{90}{90} - \dfrac{2}{9} = \dfrac{90}{90} - \dfrac{2\times\mathbf{10}}{9\times\mathbf{10}} = \dfrac{90}{90} - \dfrac{20}{90} = \dfrac{90-20}{90} = \dfrac{70}{90}$

2. $\dfrac{11}{10} + \dfrac{2}{5} = \dfrac{11}{10} + \dfrac{2\times\mathbf{2}}{5\times\mathbf{2}} = \dfrac{11}{10} + \dfrac{4}{10} = \dfrac{11+4}{10} = \dfrac{15}{10}$

EX 3

1. $\dfrac{3}{6} + \dfrac{17}{12} = \dfrac{3\times\mathbf{2}}{6\times\mathbf{2}} + \dfrac{17}{12} = \dfrac{6}{12} + \dfrac{17}{12} = \dfrac{6+17}{12} = \dfrac{23}{12}$

2. $\dfrac{8}{6} - \dfrac{37}{30} = \dfrac{8\times\mathbf{5}}{6\times\mathbf{5}} - \dfrac{37}{30} = \dfrac{40}{30} - \dfrac{37}{30} = \dfrac{40-37}{30} = \dfrac{3}{30} = \dfrac{1\times\mathbf{3}}{10\times\mathbf{3}} = \dfrac{1}{10}$

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{15}{18} - \dfrac{2}{9} = \dfrac{15}{18} - \dfrac{2\times\mathbf{2}}{9\times\mathbf{2}} = \dfrac{15}{18} - \dfrac{4}{18} = \dfrac{15-4}{18} = \dfrac{11}{18}$

2. $\dfrac{1}{7} + \dfrac{3}{77} = \dfrac{1\times\mathbf{11}}{7\times\mathbf{11}} + \dfrac{3}{77} = \dfrac{11}{77} + \dfrac{3}{77} = \dfrac{11+3}{77} = \dfrac{14}{77}$

EX 3

1. $\dfrac{6}{2} + \dfrac{18}{22} = \dfrac{6\times\mathbf{11}}{2\times\mathbf{11}} + \dfrac{18}{22} = \dfrac{66}{22} + \dfrac{18}{22} = \dfrac{66+18}{22} = \dfrac{84}{22} = \dfrac{42\times\mathbf{2}}{11\times\mathbf{2}} = \dfrac{42}{11}$

2. $\dfrac{6}{16} - \dfrac{2}{8} = \dfrac{6}{16} - \dfrac{2\times\mathbf{2}}{8\times\mathbf{2}} = \dfrac{6}{16} - \dfrac{4}{16} = \dfrac{6-4}{16} = \dfrac{2}{16} = \dfrac{1\times\mathbf{2}}{8\times\mathbf{2}} = \dfrac{1}{8}$

MathALEA

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{27}{27} - \dfrac{7}{9} = \dfrac{27}{27} - \dfrac{7 \times \mathbf{3}}{9 \times \mathbf{3}} = \dfrac{27}{27} - \dfrac{21}{27} = \dfrac{27 - 21}{27} = \dfrac{6}{27}$

2. $\dfrac{5}{27} + \dfrac{2}{3} = \dfrac{5}{27} + \dfrac{2 \times \mathbf{9}}{3 \times \mathbf{9}} = \dfrac{5}{27} + \dfrac{18}{27} = \dfrac{5 + 18}{27} = \dfrac{23}{27}$

EX 3

1. $\dfrac{27}{27} - \dfrac{1}{3} = \dfrac{27}{27} - \dfrac{1 \times \mathbf{9}}{3 \times \mathbf{9}} = \dfrac{27}{27} - \dfrac{9}{27} = \dfrac{27 - 9}{27} = \dfrac{18}{27} = \dfrac{2 \times \mathbf{9}}{3 \times \mathbf{9}} = \dfrac{2}{3}$

2. $\dfrac{3}{8} + \dfrac{9}{32} = \dfrac{3 \times \mathbf{4}}{8 \times \mathbf{4}} + \dfrac{9}{32} = \dfrac{12}{32} + \dfrac{9}{32} = \dfrac{12 + 9}{32} = \dfrac{21}{32}$

Test 5N20

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{13}{56} - \dfrac{1}{8} = \dfrac{13}{56} - \dfrac{1 \times 7}{8 \times 7} = \dfrac{13}{56} - \dfrac{7}{56} = \dfrac{13 - 7}{56} = \dfrac{6}{56}$

2. $\dfrac{11}{24} + \dfrac{1}{3} = \dfrac{11}{24} + \dfrac{1 \times 8}{3 \times 8} = \dfrac{11}{24} + \dfrac{8}{24} = \dfrac{11 + 8}{24} = \dfrac{19}{24}$

EX 3

1. $\dfrac{7}{28} + \dfrac{9}{7} = \dfrac{7}{28} + \dfrac{9 \times 4}{7 \times 4} = \dfrac{7}{28} + \dfrac{36}{28} = \dfrac{7 + 36}{28} = \dfrac{43}{28}$

2. $\dfrac{51}{40} - \dfrac{1}{4} = \dfrac{51}{40} - \dfrac{1 \times 10}{4 \times 10} = \dfrac{51}{40} - \dfrac{10}{40} = \dfrac{51 - 10}{40} = \dfrac{41}{40}$

Test 5N20

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{1}{4} + \dfrac{9}{24} = \dfrac{1\times 6}{4\times 6} + \dfrac{9}{24} = \dfrac{6}{24} + \dfrac{9}{24} = \dfrac{6+9}{24} = \dfrac{15}{24}$

2. $\dfrac{7}{2} - \dfrac{11}{4} = \dfrac{7\times 2}{2\times 2} - \dfrac{11}{4} = \dfrac{14}{4} - \dfrac{11}{4} = \dfrac{14-11}{4} = \dfrac{3}{4}$

EX 3

1. $\dfrac{9}{7} - \dfrac{26}{77} = \dfrac{9\times 11}{7\times 11} - \dfrac{26}{77} = \dfrac{99}{77} - \dfrac{26}{77} = \dfrac{99-26}{77} = \dfrac{73}{77}$

2. $\dfrac{5}{8} + \dfrac{9}{72} = \dfrac{5\times 9}{8\times 9} + \dfrac{9}{72} = \dfrac{45}{72} + \dfrac{9}{72} = \dfrac{45+9}{72} = \dfrac{54}{72} = \dfrac{3\times 18}{4\times 18} = \dfrac{3}{4}$

MathALEA

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{81}{72} - \dfrac{3}{8} = \dfrac{81}{72} - \dfrac{3\times 9}{8\times 9} = \dfrac{81}{72} - \dfrac{27}{72} = \dfrac{81-27}{72} = \dfrac{54}{72}$

2. $\dfrac{1}{15} + \dfrac{8}{5} = \dfrac{1}{15} + \dfrac{8\times 3}{5\times 3} = \dfrac{1}{15} + \dfrac{24}{15} = \dfrac{1+24}{15} = \dfrac{25}{15}$

EX 3

1. $\dfrac{36}{24} - \dfrac{7}{6} = \dfrac{36}{24} - \dfrac{7\times 4}{6\times 4} = \dfrac{36}{24} - \dfrac{28}{24} = \dfrac{36-28}{24} = \dfrac{8}{24} = \dfrac{1\times 8}{3\times 8} = \dfrac{1}{3}$

2. $\dfrac{7}{8} + \dfrac{2}{56} = \dfrac{7\times 7}{8\times 7} + \dfrac{2}{56} = \dfrac{49}{56} + \dfrac{2}{56} = \dfrac{49+2}{56} = \dfrac{51}{56}$

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{7}{16} + \dfrac{3}{8} = \dfrac{7}{16} + \dfrac{3\times\mathbf{2}}{8\times\mathbf{2}} = \dfrac{7}{16} + \dfrac{6}{16} = \dfrac{7+6}{16} = \dfrac{13}{16}$

2. $\dfrac{6}{8} - \dfrac{16}{40} = \dfrac{6\times\mathbf{5}}{8\times\mathbf{5}} - \dfrac{16}{40} = \dfrac{30}{40} - \dfrac{16}{40} = \dfrac{30-16}{40} = \dfrac{14}{40}$

EX 3

1. $\dfrac{4}{14} + \dfrac{2}{7} = \dfrac{4}{14} + \dfrac{2\times\mathbf{2}}{7\times\mathbf{2}} = \dfrac{4}{14} + \dfrac{4}{14} = \dfrac{4+4}{14} = \dfrac{8}{14} = \dfrac{4\times\mathbf{2}}{7\times\mathbf{2}} = \dfrac{4}{7}$

2. $\dfrac{13}{10} - \dfrac{2}{5} = \dfrac{13}{10} - \dfrac{2\times\mathbf{2}}{5\times\mathbf{2}} = \dfrac{13}{10} - \dfrac{4}{10} = \dfrac{13-4}{10} = \dfrac{9}{10}$

MathALEA

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{9}{3} + \dfrac{4}{30} = \dfrac{9\times\mathbf{10}}{3\times\mathbf{10}} + \dfrac{4}{30} = \dfrac{90}{30} + \dfrac{4}{30} = \dfrac{90+4}{30} = \dfrac{94}{30}$

2. $\dfrac{59}{48} - \dfrac{2}{6} = \dfrac{59}{48} - \dfrac{2\times\mathbf{8}}{6\times\mathbf{8}} = \dfrac{59}{48} - \dfrac{16}{48} = \dfrac{59-16}{48} = \dfrac{43}{48}$

EX 3

1. $\dfrac{13}{15} + \dfrac{2}{3} = \dfrac{13}{15} + \dfrac{2\times\mathbf{5}}{3\times\mathbf{5}} = \dfrac{13}{15} + \dfrac{10}{15} = \dfrac{13+10}{15} = \dfrac{23}{15}$

2. $\dfrac{5}{2} - \dfrac{25}{16} = \dfrac{5\times\mathbf{8}}{2\times\mathbf{8}} - \dfrac{25}{16} = \dfrac{40}{16} - \dfrac{25}{16} = \dfrac{40-25}{16} = \dfrac{15}{16}$

Corrections

EX 1

1. $\dfrac{9}{2} + \dfrac{10}{2} = \dfrac{19}{2}$

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

EX 2

1. $\dfrac{5}{2} - \dfrac{5}{10} = \dfrac{5 \times 5}{2 \times 5} - \dfrac{5}{10} = \dfrac{25}{10} - \dfrac{5}{10} = \dfrac{25 - 5}{10} = \dfrac{20}{10}$

2. $\dfrac{13}{64} + \dfrac{2}{8} = \dfrac{13}{64} + \dfrac{2 \times 8}{8 \times 8} = \dfrac{13}{64} + \dfrac{16}{64} = \dfrac{13 + 16}{64} = \dfrac{29}{64}$

EX 3

1. $\dfrac{8}{3} - \dfrac{32}{15} = \dfrac{8 \times 5}{3 \times 5} - \dfrac{32}{15} = \dfrac{40}{15} - \dfrac{32}{15} = \dfrac{40 - 32}{15} = \dfrac{8}{15}$

2. $\dfrac{8}{27} + \dfrac{6}{9} = \dfrac{8}{27} + \dfrac{6 \times 3}{9 \times 3} = \dfrac{8}{27} + \dfrac{18}{27} = \dfrac{8 + 18}{27} = \dfrac{26}{27}$