EX 1 Calculer

6C23

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

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

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

4. $\dfrac{10}{3} - \dfrac{10}{3} =$

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

6. $\dfrac{7}{10} - \dfrac{5}{10} =$

EX 2 Calculer :

5N20

1. $\dfrac{4}{8} + \dfrac{18}{80} =$

2. $\dfrac{18}{40} - \dfrac{1}{5} =$

3. $\dfrac{1}{5} + \dfrac{11}{50} =$

4. $\dfrac{27}{27} - \dfrac{8}{9} =$

5. $\dfrac{7}{3} + \dfrac{12}{24} =$

6. $\dfrac{10}{15} - \dfrac{2}{5} =$

EX 3 Calculer et simplifier au maximum le résultat.

5N20

1. $\dfrac{4}{9} + \dfrac{9}{99} =$

2. $\dfrac{9}{2} - \dfrac{8}{10} =$

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

4. $\dfrac{8}{5} + \dfrac{8}{10} =$

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

6. $\dfrac{5}{3} + \dfrac{11}{15} =$

Corrections

EX 1

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

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

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

4. $\dfrac{10}{3} - \dfrac{10}{3} = \dfrac{0}{3}$

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

6. $\dfrac{7}{10} - \dfrac{5}{10} = \dfrac{2}{10}$

EX 2

1. $\dfrac{4}{8} + \dfrac{18}{80} = \dfrac{4\times\mathbf{10}}{8\times\mathbf{10}} + \dfrac{18}{80} = \dfrac{40}{80} + \dfrac{18}{80} = \dfrac{40+18}{80} = \dfrac{58}{80}$

2. $\dfrac{18}{40} - \dfrac{1}{5} = \dfrac{18}{40} - \dfrac{1\times\mathbf{8}}{5\times\mathbf{8}} = \dfrac{18}{40} - \dfrac{8}{40} = \dfrac{18-8}{40} = \dfrac{10}{40}$

3. $\dfrac{1}{5} + \dfrac{11}{50} = \dfrac{1\times\mathbf{10}}{5\times\mathbf{10}} + \dfrac{11}{50} = \dfrac{10}{50} + \dfrac{11}{50} = \dfrac{10+11}{50} = \dfrac{21}{50}$

4. $\dfrac{27}{27} - \dfrac{8}{9} = \dfrac{27}{27} - \dfrac{8\times\mathbf{3}}{9\times\mathbf{3}} = \dfrac{27}{27} - \dfrac{24}{27} = \dfrac{27-24}{27} = \dfrac{3}{27}$

5. $\dfrac{7}{3} + \dfrac{12}{24} = \dfrac{7\times\mathbf{8}}{3\times\mathbf{8}} + \dfrac{12}{24} = \dfrac{56}{24} + \dfrac{12}{24} = \dfrac{56+12}{24} = \dfrac{68}{24}$

6. $\dfrac{10}{15} - \dfrac{2}{5} = \dfrac{10}{15} - \dfrac{2\times\mathbf{3}}{5\times\mathbf{3}} = \dfrac{10}{15} - \dfrac{6}{15} = \dfrac{10-6}{15} = \dfrac{4}{15}$

EX 3

1. $\dfrac{4}{9} + \dfrac{9}{99} = \dfrac{4 \times \mathbf{11}}{9 \times \mathbf{11}} + \dfrac{9}{99} = \dfrac{44}{99} + \dfrac{9}{99} = \dfrac{44 + 9}{99} = \dfrac{53}{99}$

2. $\dfrac{9}{2} - \dfrac{8}{10} = \dfrac{9 \times \mathbf{5}}{2 \times \mathbf{5}} - \dfrac{8}{10} = \dfrac{45}{10} - \dfrac{8}{10} = \dfrac{45 - 8}{10} = \dfrac{37}{10}$

3. $\dfrac{11}{14} - \dfrac{3}{7} = \dfrac{11}{14} - \dfrac{3 \times \mathbf{2}}{7 \times \mathbf{2}} = \dfrac{11}{14} - \dfrac{6}{14} = \dfrac{11 - 6}{14} = \dfrac{5}{14}$

4. $\dfrac{8}{5} + \dfrac{8}{10} = \dfrac{8 \times \mathbf{2}}{5 \times \mathbf{2}} + \dfrac{8}{10} = \dfrac{16}{10} + \dfrac{8}{10} = \dfrac{16 + 8}{10} = \dfrac{24}{10} = \dfrac{12 \times \mathbf{2}}{5 \times \mathbf{2}} = \dfrac{12}{5}$

5. $\dfrac{5}{2} - \dfrac{2}{4} = \dfrac{5 \times \mathbf{2}}{2 \times \mathbf{2}} - \dfrac{2}{4} = \dfrac{10}{4} - \dfrac{2}{4} = \dfrac{10 - 2}{4} = \dfrac{8}{4} = 2$

6. $\dfrac{5}{3} + \dfrac{11}{15} = \dfrac{5 \times \mathbf{5}}{3 \times \mathbf{5}} + \dfrac{11}{15} = \dfrac{25}{15} + \dfrac{11}{15} = \dfrac{25 + 11}{15} = \dfrac{36}{15} = \dfrac{12 \times \mathbf{3}}{5 \times \mathbf{3}} = \dfrac{12}{5}$