EJERCICIOS DE PRÁCTICA: OPERACIONES CON FRACCIONES

Efectúar las siguientes sumas y restas de fracciones con igual denominador:

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

2. $\dfrac{3}{8}+\dfrac{1}{8}$

3. $\dfrac{4}{9}+\dfrac{5}{9}+\dfrac{2}{9}$

4. $\dfrac{7}{6}+\dfrac{5}{6}+\dfrac{1}{6}$

5. $\dfrac{3}{7}+\dfrac{2}{7}+\dfrac{6}{7}$

6. $\dfrac{3}{10}+\dfrac{7}{10}+\dfrac{1}{10}+\dfrac{5}{10}$

7. $1\dfrac{5}{9}+3\dfrac{1}{9}+\dfrac{7}{9}$

8. $\dfrac{13}{16}+2\dfrac{9}{16}+4\dfrac{1}{16}+1\dfrac{3}{16}$

9. $1\dfrac{5}{8}+\dfrac{13}{8}+2\dfrac{7}{8}+\dfrac{6}{8}+\dfrac{9}{8}$

10. $\dfrac{12}{5}-\dfrac{8}{5}$

11. $\dfrac{4}{9}-\dfrac{1}{9}$

12. $\dfrac{11}{15}-\dfrac{7}{15}$

13. $3\dfrac{1}{3}-\dfrac{8}{3}$

14. $1\dfrac{2}{17}-\dfrac{14}{17}$

15. $\dfrac{4}{6}+\dfrac{7}{6}-\dfrac{8}{6}$

16. $\dfrac{3}{12}-\dfrac{5}{12}+\dfrac{10}{12}$

17. $\dfrac{3}{20}+\dfrac{18}{20}-\dfrac{13}{20}-\dfrac{4}{20}$

18. $\dfrac{7}{9}-\dfrac{11}{9}+\dfrac{15}{9}-\dfrac{6}{9}-\dfrac{1}{9}$

19. $1\dfrac{1}{2}+\dfrac{5}{2}-3\dfrac{1}{2}$

20. $2\dfrac{7}{9}-\dfrac{4}{9}-\dfrac{7}{9}$

21. $1\dfrac{3}{4}-1\dfrac{1}{4}-\dfrac{1}{4}$

22. $1\dfrac{3}{5}+7\dfrac{4}{5}-9\dfrac{2}{5}$

23. $3\dfrac{2}{7}+1\dfrac{3}{7}-4\dfrac{3}{7}$

24. $2\dfrac{3}{5}+1\dfrac{1}{5}-2\dfrac{4}{5}-\dfrac{2}{5}$

25. $2\dfrac{1}{8}-\dfrac{7}{8}-1\dfrac{1}{8}+\dfrac{3}{8}$

26. $\dfrac{14}{13}-1\dfrac{7}{13}-\dfrac{2}{13}+1\dfrac{9}{13}$

27. $3\dfrac{2}{5}+1\dfrac{1}{5}+\dfrac{6}{5}-4\dfrac{4}{5}$

Efectúa las siguientes sumas y restas con diferente denominador:

1. $\dfrac{1}{2}+\dfrac{1}{3}$

2. $\dfrac{2}{3}+\dfrac{5}{6}$

3. $\dfrac{5}{10}+\dfrac{3}{2}$

4. $\dfrac{7}{24}+\dfrac{11}{30}$

5. $\dfrac{8}{26}+\dfrac{15}{39}$

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

7. $\dfrac{5}{6}+\dfrac{1}{3}+\dfrac{1}{2}$

8. $\dfrac{5}{3}+\dfrac{4}{9}+\dfrac{6}{18}$

9. $\dfrac{5}{4}+\dfrac{7}{8}+\dfrac{1}{16}$

10. $\dfrac{5}{8}-\dfrac{1}{4}$

11. $\dfrac{5}{12}-\dfrac{7}{24}$

12. $\dfrac{11}{64}-\dfrac{5}{8}$

13. $\dfrac{7}{5}+\dfrac{8}{35}-\dfrac{9}{21}$

14. $\dfrac{3}{4}+\dfrac{5}{6}-\dfrac{1}{10}$

15. $\dfrac{3}{4}+\dfrac{1}{6}-\dfrac{11}{12}$

16. $\dfrac{7}{12}+\dfrac{3}{8}-\dfrac{1}{20}$

17. $\dfrac{3}{4}+\dfrac{2}{5}-\dfrac{3}{20}$

18. $3+\dfrac{1}{2}-\dfrac{3}{4}$

19. $\dfrac{1}{4}-\dfrac{1}{16}-\dfrac{1}{2}$

20. $\dfrac{4}{5}-\dfrac{1}{6}-\dfrac{1}{3}$

21. $\dfrac{5}{8}+\dfrac{3}{4}-\dfrac{1}{6}-\dfrac{2}{3}$

Efectúa los siguientes productos de fracciones:

1. $\dfrac{2}{5}\times\dfrac{10}{8}$

2. $\dfrac{5}{4}\times\dfrac{2}{7}$

3. $\dfrac{3}{6}\times\dfrac{2}{9}$

4. $\dfrac{3}{4}\times\dfrac{6}{3}$

5. $\dfrac{3}{4}\times2\dfrac{3}{5}$

6. $3\dfrac{2}{5}\times\dfrac{2}{4}$

7. $1\dfrac{2}{5}\times2\dfrac{5}{7}$

8. $\dfrac{6}{3}\times2\dfrac{1}{2}$

9. $1\dfrac{3}{5}\times4\dfrac{5}{8}$

10. $2\dfrac{2}{3}\times3\dfrac{1}{5}$

11. $\dfrac{2}{3}\times\dfrac{3}{4}\times\dfrac{5}{6}$

12. $\dfrac{1}{5}\times\dfrac{9}{4}\times\dfrac{12}{6}$

13. $\dfrac{2}{3}\times\dfrac{5}{7}\times\dfrac{3}{4}$

14. $\dfrac{3}{4}\times\dfrac{5}{3}\times\dfrac{4}{5}$

15. $1\dfrac{1}{6}\times\dfrac{12}{7}\times\dfrac{14}{2}$

16. $\dfrac{7}{9}\times\dfrac{8}{5}\times\dfrac{3}{14}\times15$

17. $2\dfrac{2}{5}\times\dfrac{5}{9}\times\dfrac{1}{3}\times1\dfrac{3}{5}$

18. $\dfrac{2}{9}\times\dfrac{7}{5}\times\dfrac{3}{14}\times5$

19. $2\dfrac{4}{9}\times2\dfrac{1}{4}\times1\dfrac{3}{11}\times1\dfrac{1}{3}$

20. $2\times7\dfrac{3}{5}\times1\dfrac{6}{19}\times\dfrac{3}{4}$

21. $1\dfrac{1}{2}\times\dfrac{4}{6}\times2\dfrac{2}{5}\times2\dfrac{1}{2}$

Efectúa las siguientes divisiones de fracciones:

1. $\dfrac{1}{6} \div \dfrac{2}{3}$

2. $\dfrac{3}{4} \div \dfrac{1}{2}$

3. $\dfrac{6}{8} \div \dfrac{1}{4}$

4. $\dfrac{13}{9} \div \dfrac{4}{3}$

5. $\dfrac{5}{12} \div \dfrac{5}{6}$

6. $\dfrac{7}{8} \div \dfrac{21}{16}$

7. $\dfrac{4}{3} \div \dfrac{5}{30}$

8. $\dfrac{28}{7} \div \dfrac{4}{5}$

9. $\dfrac{4}{6} \div 1\dfrac{2}{3}$

10. $2\dfrac{2}{3} \div \dfrac{4}{15}$

11. $1\dfrac{4}{5} \div \dfrac{13}{10}$

12. $\dfrac{1}{2} \div 3\dfrac{1}{4}$

13. $\dfrac{4}{9} \div 8$

14. $3\dfrac{1}{4} \div 26$

15. $1 \div 1\dfrac{1}{4}$

16. $34 \div 2\dfrac{5}{6}$

17. $\dfrac{11}{9} \div 3\dfrac{2}{3}$

18. $5\dfrac{1}{4} \div 1\dfrac{1}{6}$

19. $5\dfrac{5}{8} \div 3\dfrac{3}{4}$

20. $1\dfrac{11}{13} \div 8$