Raccolta di espressioni con frazioni e addizioni e sottrazioni
Evaluating Expressions Involving Fractions

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1. $\left(\frac{3}{2}+\frac{7}{2}+\frac{9}{2}\right)-\left(\frac{11}{2}-\frac{3}{2}\right)=$ $\left[\frac{11}{2}\right]$

2. $\left(5+\frac{9}{2}\right)+\left(5+\frac{1}{2}-\frac{3}{2}\right)=$ $\left[\frac{27}{2}\right]$

3. $\left(\frac{15}{4}+\frac{7}{4}-\frac{21}{4}\right)+\left(\frac{1}{4}+\frac{5}{4}\right)=$ $\left[\frac{7}{4}\right]$

4. $\left(\frac{7}{4}+\frac{1}{4}+\frac{5}{4}\right)+\left(\frac{5}{4}-\frac{3}{4}\right)+\left(\frac{3}{4}+\frac{9}{4}-\frac{11}{4}\right)=$ $[4]$

5. $\left[\left(\frac{15}{8}+\frac{2}{8}\right)-\left(\frac{1}{8}+\frac{5}{8}\right)+\left(\frac{3}{8}+\frac{7}{8}+\frac{9}{8}\right)\right]-\left(\frac{5}{8}+\frac{7}{8}\right)=$ $\left[\frac{9}{4}\right]$

6. $\frac{24}{5}+\frac{3}{5}-\left(\frac{8}{5}+\frac{19}{5}\right)+\frac{3}{5}+\left(\frac{6}{5}+\frac{4}{5}-\frac{2}{5}\right)=$ $\left[\frac{11}{5}\right]$

7. $\frac{1}{6}+\left(\frac{3}{4}+\frac{1}{2}-\frac{1}{4}\right)-\frac{1}{3}-\left(\frac{1}{2}-\frac{1}{4}\right)=$ $\left[\frac{7}{12}\right]$

8. $\left(\frac{1}{2}+\frac{3}{2}+\frac{5}{2}-\frac{7}{2}\right)+\left(\frac{7}{2}+\frac{15}{2}-\frac{13}{2}\right)=$ $[5]$

9. $\frac{1}{24}+\left(\frac{5}{6}-\frac{1}{24}-\frac{17}{24}\right)+\left(\frac{7}{24}-\frac{5}{24}\right)+\left(\frac{3}{8}-\frac{1}{3}\right)=$ $\left[\frac{1}{4}\right]$

10. $\left[\left(\frac{5}{6}-\frac{1}{3}\right)+\left(\frac{7}{18}+\frac{5}{18}\right)-\frac{11}{18}\right]+\left(\frac{7}{18}-\frac{5}{18}+\frac{3}{18}\right)=$ $\left[\frac{5}{6}\right]$

11. $\left(\frac{1}{2}+\frac{5}{3}-\frac{5}{6}\right)-\left(\frac{11}{6}-\frac{7}{6}\right)-\left(\frac{1}{3}-\frac{1}{6}\right)=$ $\left[\frac{1}{2}\right]$

12. $\left(\frac{3}{4}+\frac{7}{4}-\frac{3}{8}\right)-\frac{11}{8}+\frac{5}{8}+\left(\frac{1}{4}+\frac{3}{4}-\frac{1}{8}\right)=$ $\left[\frac{9}{4}\right]$

13. $\left(\frac{1}{5}+\frac{1}{5}\right)+\left(1+\frac{5}{2}\right)-\left(\frac{1}{10}+\frac{2}{10}\right)=$ $\left[\frac{18}{5}\right]$

14. $\left(\frac{3}{5}+\frac{4}{5}\right)-\left(1-\frac{1}{5}\right)=$ $\left[\frac{3}{5}\right]$

15. $\left(\frac{1}{2}+\frac{5}{3}-\frac{5}{6}\right)+\left(\frac{7}{6}+\frac{11}{6}\right)-\left(\frac{2}{6}-\frac{1}{6}\right)=$ $\left[\frac{25}{6}\right]$

16. $2-\frac{1}{3}-\left\{\frac{7}{3}-\left[\frac{4}{3}-\left(\frac{1}{2}+2-\frac{3}{2}\right)\right]-1+\frac{1}{3}\right\}=$ $\left[\frac{1}{3}\right]$

17. $\frac{15}{7}+\left(\frac{23}{7}+\frac{2}{7}+\frac{4}{7}-\frac{25}{7}\right)+\frac{2}{7}-\left(\frac{8}{7}-\frac{6}{7}+\frac{1}{7}\right)=$ $\left[\frac{18}{7}\right]$

18. $\left[\left(\frac{1}{2}+\frac{1}{3}-\frac{4}{5}\right)+\left(\frac{11}{12}-\frac{3}{4}+\frac{1}{3}\right)\right]+\frac{7}{15}=$ $[1]$

19. $\left(\frac{1}{2}+\frac{1}{3}+\frac{5}{6}\right)+\left(\frac{7}{6}-\frac{10}{12}\right)+\left(\frac{7}{6}-\frac{13}{12}\right)+\frac{7}{12}-\frac{5}{12}=$ $\left[\frac{9}{4}\right]$

20. $2-\left[\left(\frac{11}{10}+\frac{7}{15}\right)-\left(\frac{7}{5}-\frac{4}{3}\right)\right]=$ $\left[\frac{1}{2}\right]$

21. $3-\left\{\frac{5}{4}-\left[1-\left(\frac{2}{4}-\frac{7}{49}\right)\right]-\left[2-\left(\frac{2}{4}+\frac{7}{49}\right)\right]\right\}=$ $\left[\frac{20}{7}\right]$

22. $1-\left\{\left[\left(\frac{5}{4}-1\right)+\frac{3}{4}\right]-\left[\left(\frac{5}{4}-\frac{6}{7}-\frac{3}{14}\right)+\frac{6}{28}-\left(\frac{2}{21}+\frac{3}{7}-\frac{1}{3}\right)\right]\right\}=$ $\left[\frac{17}{84}\right]$

23. $\frac{13}{4}-\left[\frac{3}{2}+\frac{3}{4}-\left(1-\frac{1}{2}\right)-\left(2-\frac{3}{5}\right)\right]=$ $\left[\frac{29}{10}\right]$

24. $\frac{7}{2}-\frac{1}{4}+\frac{4}{3}-\left[1-\left(\frac{1}{3}+\frac{3}{4}-\frac{1}{2}\right)\right]-\left(1-\frac{3}{9}\right)=$ $\left[\frac{7}{2}\right]$

25. $\left(1+\frac{1}{2}\right)-\left(1+\frac{1}{4}-\frac{1}{3}\right)-\left(\frac{1}{6}-\frac{1}{12}\right)+\left(\frac{1}{5}+\frac{1}{10}\right)=$ $\left[\frac{4}{5}\right]$

26. $\left\{\frac{5}{4}+\left[\left(\frac{2}{3}+\frac{3}{5}-\frac{1}{6}\right)-\left(\frac{13}{10}-\frac{13}{12}\right)\right]\right\}+\frac{1}{5}=$ $\left[\frac{7}{3}\right]$

27. $\left(\frac{2}{3}+\frac{3}{4}\right)+\left(\frac{1}{2}+\frac{1}{3}\right)-\left(1+\frac{1}{4}\right)=$ $[1]$

28. $\left(1-\frac{1}{3}\right)+\left(1-\frac{3}{4}\right)-\left(1-\frac{5}{6}\right)=$ $\left[\frac{5}{6}\right]$

29. $\left(\frac{3}{4}+\frac{1}{2}\right)-\left(\frac{1}{2}-\frac{1}{3}\right)-\left(1-\frac{1}{4}\right)=$ $\left[\frac{1}{3}\right]$

30. $\left(3+\frac{1}{4}\right)-\left(\frac{9}{4}-\frac{5}{8}-\frac{1}{2}\right)-\left(1-\frac{7}{8}\right)=$ $[2]$

31. $\left(2-\frac{1}{5}\right)-\left[\left(\frac{3}{2}+\frac{4}{5}-\frac{1}{2}\right)-\left(\frac{9}{10}+\frac{1}{2}-1\right)\right]=$ $\left[\frac{2}{5}\right]$

32. $\left(2-\frac{1}{5}\right)-\left[\left(\frac{3}{2}+\frac{4}{5}-\frac{1}{4}\right)-\left(\frac{9}{10}+\frac{1}{2}-1\right)\right]=$ $\left[\frac{33}{20}\right]$

33. $\left\{\left(1-\frac{1}{5}\right)-\left[1-\left(\frac{1}{10}+\frac{1}{2}\right)\right]\right\}+\frac{3}{2}=$ $\left[\frac{19}{10}\right]$

34. $\left\{\frac{1}{4}+\left(1-\frac{1}{2}\right)-\left[1-\left(\frac{5}{6}-\frac{2}{12}\right)\right]\right\}-\left(\frac{3}{4}-\frac{5}{8}\right)=$ $\left[\frac{7}{24}\right]$

35. $1-\left\{\frac{1}{2}-\left[\frac{2}{5}-\frac{1}{5}+1-\left(\frac{14}{7}-\frac{9}{6}+\frac{5}{10}\right)\right]\right\}+\left(1-\frac{3}{10}\right)=$ $\left[\frac{7}{5}\right]$

36. $\left[\left(1+\frac{6}{8}\right)+\frac{5}{12}-\frac{11}{12}\right]+\left(\frac{5}{3}-\frac{9}{12}\right)-\left(\frac{1}{2}+\frac{4}{6}\right)=$ $[1]$

37. $\left[\left(1+\frac{1}{4}-\frac{1}{2}\right)+\left(1+\frac{1}{6}\right)\right]-\left(\frac{5}{3}-\frac{1}{2}+1\right)=$ $\left[\frac{3}{4}\right]$

38. $\frac{13}{14}-\left[\left(\frac{3}{2}+\frac{3}{4}-\frac{6}{7}+\frac{1}{14}\right)-\left(1-\frac{1}{2}\right)\right]-\frac{1}{7}=$ $\left[\frac{3}{28}\right]$

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