Bronze

For questions 1 to 10 you only need to add the top numbers together, you never add the denominators!(that is the bottom number)

1. $\frac{5}{8} + \frac{1}{8} = \frac{6}{8}$ or $\frac{3}{4}$

2. $\frac{3}{10} + \frac{3}{10} = \frac{6}{10}$ or $\frac{3}{5}$

3. $\frac{2}{9} + \frac{4}{9} = \frac{6}{9}$ or $\frac{2}{3}$

4. $\frac{3}{16} + \frac{5}{16} = \frac{8}{16}$ or $\frac{1}{2}$

5. $\frac{7}{10} + \frac{2}{10} = \frac{9}{10}$

6. $\frac{4}{8} - \frac{1}{8} = \frac{3}{8}$

7. $\frac{3}{12} - \frac{1}{12} = \frac{2}{12}$ or $\frac{1}{6}$

8. $\frac{7}{9} - \frac{4}{9} = \frac{3}{9}$ or $\frac{1}{3}$

9. $\frac{11}{16} - \frac{5}{16} = \frac{6}{16}$ or $\frac{3}{8}$

10. $\frac{7}{10} - \frac{2}{10} = \frac{5}{10}$ or $\frac{1}{2}$.

Silver

For questions 11 to 20 you first need to change one of the fractions so the denominators are equal.

11. $\frac{1}{2} + \frac{7}{14} = \frac{7}{14} + \frac{7}{14} = \frac{14}{14}$ or 1

12. $\frac{1}{3} + \frac{1}{6} = \frac{2}{6} + \frac{1}{6} = \frac{3}{6}$ ($\frac{1}{2}$)

13. $\frac{3}{8} + \frac{1}{4} = \frac{3}{8} + \frac{2}{8} = \frac{5}{8}$

14. $\frac{2}{7} + \frac{3}{14} = \frac{4}{14} + \frac{3}{14} = \frac{7}{14}$ ($\frac{1}{2}$)

15. $\frac{1}{5} + \frac{2}{10} = \frac{2}{10} + \frac{2}{10} = \frac{4}{10}$ or $\frac{2}{5}$

16. $\frac{1}{2} - \frac{3}{14} = \frac{7}{14} - \frac{3}{14} = \frac{4}{14}$ or $\frac{2}{7}$.

17. $\frac{2}{3} - \frac{1}{6} = \frac{4}{6} - \frac{1}{6} = \frac{3}{6}$ or $\frac{1}{2}$.

18. $\frac{7}{8} - \frac{1}{4} = \frac{7}{8} - \frac{2}{8} = \frac{5}{8}$

19. $\frac{9}{10} - \frac{3}{5} = \frac{9}{10} - \frac{6}{10} = \frac{3}{10}$

20. $\frac{1}{4} - \frac{1}{12} = \frac{3}{12} - \frac{1}{12} = \frac{2}{12}$ or $\frac{1}{6}$

Gold

For questions 21-30 you must change both fractions so their denominators are equal

21. $\frac{1}{3} + \frac{1}{5} = \frac{5}{15} + \frac{3}{15} = \frac{8}{15}$

22. $\frac{2}{3} + \frac{1}{4} = \frac{8}{12} + \frac{3}{12} = \frac{11}{12}$

23. $\frac{1}{5} + \frac{1}{4} = \frac{4}{20} + \frac{5}{20} = \frac{9}{20}$

24. $\frac{1}{2} + \frac{2}{9} = \frac{9}{18} + \frac{4}{18} = \frac{13}{18}$

25. $\frac{1}{4} + \frac{3}{7} = \frac{7}{28} + \frac{12}{28} = \frac{19}{28}$

26. $\frac{5}{6} - \frac{1}{5} = \frac{25}{30} - \frac{6}{30} = \frac{19}{30}$

27. $\frac{3}{4} - \frac{2}{3} = \frac{9}{12} - \frac{8}{12} = \frac{1}{12}$

28. $\frac{7}{8} - \frac{1}{2} = \frac{7}{8} - \frac{4}{8} = \frac{3}{8}$

29. $\frac{9}{10} - \frac{3}{7} = \frac{63}{70} - \frac{30}{70} = \frac{33}{70}$

30. $\frac{9}{11} - \frac{2}{5} = \frac{45}{55} - \frac{22}{55} = \frac{23}{55}$

CHALLENGE!