Adding and subtracting fractions: different denominators

Year 6. Find a common denominator, rewrite both fractions, then add or subtract. Give answers in their simplest form.

Name: _____ Date: _____

1. $\frac{5}{7} + \frac{1}{2} = \frac{\square}{\square}$
2. $\frac{2}{3} - \frac{1}{4} = \frac{\square}{\square}$
3. $\frac{2}{3} + \frac{8}{9} = \frac{\square}{\square}$
4. $\frac{9}{10} - \frac{3}{5} = \frac{\square}{\square}$
5. $\frac{4}{9} + \frac{1}{4} = \frac{\square}{\square}$
6. $\frac{3}{8} + \frac{9}{10} = \frac{\square}{\square}$
7. $\frac{1}{2} + \frac{2}{5} = \frac{\square}{\square}$
8. $\frac{1}{9} + \frac{2}{3} = \frac{\square}{\square}$
9. $\frac{7}{8} + \frac{1}{2} = \frac{\square}{\square}$
10. $\frac{1}{2} + \frac{5}{6} = \frac{\square}{\square}$
11. $\frac{5}{6} + \frac{1}{4} = \frac{\square}{\square}$
12. $\frac{2}{7} + \frac{1}{5} = \frac{\square}{\square}$
13. $\frac{1}{2} + \frac{4}{7} = \frac{\square}{\square}$
14. $\frac{2}{3} - \frac{1}{10} = \frac{\square}{\square}$
15. $\frac{7}{10} - \frac{2}{3} = \frac{\square}{\square}$
16. $\frac{1}{2} - \frac{1}{5} = \frac{\square}{\square}$
17. $\frac{7}{10} - \frac{1}{3} = \frac{\square}{\square}$
18. $\frac{1}{2} + \frac{1}{3} = \frac{\square}{\square}$
19. $\frac{2}{5} + \frac{1}{6} = \frac{\square}{\square}$
20. $\frac{1}{6} + \frac{7}{8} = \frac{\square}{\square}$

Answer key: Fractions with different denominators

Answers to every question on page 1.

1. $\frac{5}{7} + \frac{1}{2} = 1\frac{3}{14}$

2. $\frac{2}{3} - \frac{1}{4} = \frac{5}{12}$

3. $\frac{2}{3} + \frac{8}{9} = 1\frac{5}{9}$

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

5. $\frac{4}{9} + \frac{1}{4} = \frac{25}{36}$

6. $\frac{3}{8} + \frac{9}{10} = 1\frac{11}{40}$

7. $\frac{1}{2} + \frac{2}{5} = \frac{9}{10}$

8. $\frac{1}{9} + \frac{2}{3} = \frac{7}{9}$

9. $\frac{7}{8} + \frac{1}{2} = 1\frac{3}{8}$

10. $\frac{1}{2} + \frac{5}{6} = 1\frac{1}{3}$

11. $\frac{5}{6} + \frac{1}{4} = 1\frac{1}{12}$

12. $\frac{2}{7} + \frac{1}{5} = \frac{17}{35}$

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

14. $\frac{2}{3} - \frac{1}{10} = \frac{17}{30}$

15. $\frac{7}{10} - \frac{2}{3} = \frac{1}{30}$

16. $\frac{1}{2} - \frac{1}{5} = \frac{3}{10}$

17. $\frac{7}{10} - \frac{1}{3} = \frac{11}{30}$

18. $\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$

19. $\frac{2}{5} + \frac{1}{6} = \frac{17}{30}$

20. $\frac{1}{6} + \frac{7}{8} = 1\frac{1}{24}$