Adding and subtracting fractions: related denominators

Year 5. One denominator is a multiple of the other. Change one fraction so both have the same denominator first.

Name: _____ Date: _____

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

Answer key: Fractions with related denominators

Answers to every question on page 1.

1. $\frac{19}{20} + \frac{3}{5} = 1\frac{11}{20}$

2. $\frac{1}{3} - \frac{1}{9} = \frac{2}{9}$

3. $\frac{3}{5} - \frac{9}{20} = \frac{3}{20}$

4. $\frac{4}{5} + \frac{9}{10} = 1\frac{7}{10}$

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

6. $\frac{3}{4} + \frac{1}{8} = \frac{7}{8}$

7. $\frac{13}{20} + \frac{4}{5} = 1\frac{9}{20}$

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

9. $\frac{4}{5} - \frac{7}{20} = \frac{9}{20}$

10. $\frac{1}{4} + \frac{1}{8} = \frac{3}{8}$

11. $\frac{4}{15} + \frac{1}{5} = \frac{7}{15}$

12. $\frac{4}{5} - \frac{3}{10} = \frac{1}{2}$

13. $\frac{13}{20} + \frac{1}{5} = \frac{17}{20}$

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

15. $\frac{1}{12} + \frac{2}{3} = \frac{3}{4}$

16. $\frac{2}{5} + \frac{8}{15} = \frac{14}{15}$

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

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

19. $\frac{7}{9} + \frac{2}{3} = 1\frac{4}{9}$

20. $\frac{1}{2} - \frac{1}{4} = \frac{1}{4}$