Multiplying fractions

Multiply the top numbers, then the bottom numbers. Write answers in simplest form.

Name _____ Date _____

1. $\frac{5}{9} \times \frac{1}{9} =$

2. $\frac{4}{9} \times \frac{5}{6} =$

3. $\frac{2}{5} \times \frac{2}{9} =$

4. $\frac{5}{9} \times \frac{1}{2} =$

5. $\frac{3}{4} \times \frac{4}{5} =$

6. $\frac{1}{3} \times \frac{1}{2} =$

7. $\frac{1}{10} \times \frac{1}{2} =$

8. $\frac{1}{8} \times \frac{8}{9} =$

9. $\frac{1}{2} \times \frac{3}{10} =$

10. $\frac{2}{3} \times \frac{3}{8} =$

11. $\frac{1}{2} \times \frac{5}{12} =$

12. $\frac{3}{8} \times \frac{2}{3} =$

13. $\frac{1}{2} \times \frac{7}{9} =$

14. $\frac{3}{8} \times \frac{1}{4} =$

15. $\frac{1}{4} \times \frac{8}{9} =$

16. $\frac{1}{2} \times \frac{1}{2} =$

17. $\frac{5}{9} \times \frac{3}{4} =$

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

19. $\frac{1}{2} \times \frac{1}{3} =$

20. $\frac{2}{3} \times \frac{3}{5} =$

Multiplying fractions: answer key

Each answer in colour, with the working before it.

1. $\frac{5}{9} \times \frac{1}{9} = \frac{5}{81}$
2. $\frac{4}{9} \times \frac{5}{6} = \frac{20}{54} = \frac{10}{27}$
3. $\frac{2}{5} \times \frac{2}{9} = \frac{4}{45}$
4. $\frac{5}{9} \times \frac{1}{2} = \frac{5}{18}$
5. $\frac{3}{4} \times \frac{4}{5} = \frac{12}{20} = \frac{3}{5}$
6. $\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$
7. $\frac{1}{10} \times \frac{1}{2} = \frac{1}{20}$
8. $\frac{1}{8} \times \frac{8}{9} = \frac{8}{72} = \frac{1}{9}$
9. $\frac{1}{2} \times \frac{3}{10} = \frac{3}{20}$
10. $\frac{2}{3} \times \frac{3}{8} = \frac{6}{24} = \frac{1}{4}$
11. $\frac{1}{2} \times \frac{5}{12} = \frac{5}{24}$
12. $\frac{3}{8} \times \frac{2}{3} = \frac{6}{24} = \frac{1}{4}$
13. $\frac{1}{2} \times \frac{7}{9} = \frac{7}{18}$
14. $\frac{3}{8} \times \frac{1}{4} = \frac{3}{32}$
15. $\frac{1}{4} \times \frac{8}{9} = \frac{8}{36} = \frac{2}{9}$
16. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
17. $\frac{5}{9} \times \frac{3}{4} = \frac{15}{36} = \frac{5}{12}$
18. $\frac{5}{6} \times \frac{1}{2} = \frac{5}{12}$
19. $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$
20. $\frac{2}{3} \times \frac{3}{5} = \frac{6}{15} = \frac{2}{5}$