

Name: _____



EXTENDED PRACTICE: MULTIPLYING FRACTIONS

Example:

$$\frac{1}{2} \times \frac{3}{4} = \frac{1 \times 3}{2 \times 4} = \frac{3}{8}$$

Directions: Solve each of the following.

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

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

3. $\frac{1}{2} \times \frac{1}{4} =$ _____

4. $\frac{1}{2} \times \frac{3}{7} =$ _____

5. $\frac{1}{5} \times \frac{3}{4} =$ _____

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

7. $\frac{1}{4} \times \frac{1}{3} =$ _____

8. $\frac{2}{5} \times \frac{2}{3} =$ _____

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

10. $\frac{2}{5} \times \frac{1}{3} =$ _____

11. $\frac{1}{8} \times \frac{3}{5} =$ _____

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

13. $\frac{2}{5} \times \frac{4}{3} =$ _____

14. $\frac{3}{5} \times \frac{5}{6} =$ _____

15. $\frac{1}{3} \times \frac{1}{3} =$ _____

16. $\frac{2}{3} \times \frac{1}{3} =$ _____

17. $\frac{2}{3} \times \frac{2}{3} =$ _____

18. $\frac{3}{2} \times \frac{2}{3} =$ _____

19. $\frac{2}{3} \times \frac{4}{3} =$ _____

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

21. $\frac{3}{2} \times \frac{3}{5} =$ _____

22. $\frac{3}{4} \times \frac{1}{5} =$ _____

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

24. $\frac{5}{6} \times \frac{1}{4} =$ _____

ANSWER KEY

1. $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$
2. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
3. $\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$
4. $\frac{1}{2} \times \frac{3}{7} = \frac{3}{14}$
5. $\frac{1}{5} \times \frac{3}{4} = \frac{3}{20}$
6. $\frac{1}{3} \times \frac{1}{6} = \frac{1}{18}$
7. $\frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$
8. $\frac{2}{5} \times \frac{2}{3} = \frac{4}{15}$
9. $\frac{2}{5} \times \frac{3}{5} = \frac{6}{25}$
10. $\frac{2}{5} \times \frac{1}{3} = \frac{2}{15}$
11. $\frac{1}{8} \times \frac{3}{5} = \frac{3}{40}$
12. $\frac{5}{9} \times \frac{3}{4} = \frac{15}{36}$
13. $\frac{2}{5} \times \frac{4}{3} = \frac{8}{15}$
14. $\frac{3}{5} \times \frac{5}{6} = \frac{15}{30}$ or $\frac{1}{2}$
15. $\frac{1}{3} \times \frac{1}{3} = \frac{1}{9}$
16. $\frac{2}{3} \times \frac{1}{3} = \frac{2}{9}$
17. $\frac{2}{3} \times \frac{2}{3} = \frac{4}{9}$
18. $\frac{3}{2} \times \frac{2}{3} = \frac{6}{6} = 1$
19. $\frac{2}{3} \times \frac{4}{3} = \frac{8}{9}$
20. $\frac{5}{3} \times \frac{2}{3} = \frac{10}{9}$
21. $\frac{3}{2} \times \frac{3}{5} = \frac{9}{10}$
22. $\frac{3}{4} \times \frac{1}{5} = \frac{3}{20}$
23. $\frac{3}{4} \times \frac{4}{5} = \frac{3}{5}$
24. $\frac{5}{6} \times \frac{1}{4} = \frac{5}{24}$