

★★ Automatismes : multiplications de fractions ★★



Astuce

Pour multiplier des fractions , on multiplie les numérateurs , on multiplie les dénominateurs et on simplifie avant de terminer le calcul

Calculer :

1. $\frac{2}{3} \times \frac{5}{4}$

2. $\frac{3}{7} \times \frac{14}{9} \times \frac{1}{2}$

3. $\frac{4}{5} \times \frac{3}{8} \times \frac{5}{6}$

4. $\frac{7}{9} \times \frac{3}{4}$

5. $\frac{1}{2} \times \frac{4}{5} \times \frac{10}{3}$

6. $\frac{5}{6} \times \frac{3}{10}$

7. $\frac{9}{11} \times \frac{2}{3} \times \frac{3}{4}$

8. $\frac{8}{15} \times \frac{5}{6}$

9. $\frac{1}{3} \times \frac{2}{5} \times \frac{15}{16}$

10. $\frac{6}{7} \times \frac{14}{9}$

11. $\frac{2}{9} \times \frac{3}{4} \times \frac{6}{5}$

12. $\frac{7}{10} \times \frac{5}{14} \times \frac{2}{3}$

13. $\frac{4}{9} \times \frac{9}{8}$

14. $\frac{3}{5} \times \frac{10}{9} \times \frac{3}{4}$

15. $\frac{5}{12} \times \frac{6}{7}$

16. $\frac{11}{13} \times \frac{13}{22}$

17. $\frac{3}{8} \times \frac{16}{9} \times \frac{2}{5}$

18. $\frac{6}{11} \times \frac{11}{12} \times \frac{1}{2}$

19. $\frac{2}{3} \times \frac{3}{7} \times \frac{7}{10} \times \frac{5}{4}$

20. $\frac{1}{6} \times \frac{3}{5} \times \frac{4}{9}$

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Corrigés

$$1. \frac{2}{3} \times \frac{5}{4} = \frac{2 \times 5}{3 \times 4} = \frac{2 \times 5}{3 \times 2 \times 2} = \frac{5}{6}$$

$$2. \frac{3}{7} \times \frac{14}{9} \times \frac{1}{2} = \frac{3 \times 14 \times 1}{7 \times 9 \times 2} = \frac{3 \times 7 \times 2}{7 \times 3 \times 3 \times 2} = \frac{1}{3}$$

$$3. \frac{4}{5} \times \frac{3}{8} \times \frac{5}{6} = \frac{4 \times 3 \times 5}{5 \times 8 \times 6} = \frac{4 \times 3 \times 5}{5 \times 4 \times 2 \times 3 \times 2} = \frac{1}{4}$$

$$4. \frac{7}{9} \times \frac{3}{4} = \frac{7}{12}$$

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

$$6. \frac{5}{6} \times \frac{3}{10} = \frac{1}{4}$$

$$7. \frac{9}{11} \times \frac{2}{3} \times \frac{3}{4} = \frac{9}{22}$$

$$8. \frac{8}{15} \times \frac{5}{6} = \frac{4}{9}$$

$$9. \frac{1}{3} \times \frac{2}{5} \times \frac{15}{16} = \frac{1}{8}$$

$$10. \frac{6}{7} \times \frac{14}{9} = \frac{4}{3}$$

$$11. \frac{2}{9} \times \frac{3}{4} \times \frac{6}{5} = \frac{1}{5}$$

$$12. \frac{7}{10} \times \frac{5}{14} \times \frac{2}{3} = \frac{1}{6}$$

$$13. \frac{4}{9} \times \frac{9}{8} = \frac{1}{2}$$

$$14. \frac{3}{5} \times \frac{10}{9} \times \frac{3}{4} = \frac{1}{2}$$

$$15. \frac{5}{12} \times \frac{6}{7} = \frac{5}{14}$$

$$16. \frac{11}{13} \times \frac{13}{22} = \frac{1}{2}$$

$$17. \frac{3}{8} \times \frac{16}{9} \times \frac{2}{5} = \frac{2}{15}$$

$$18. \frac{6}{11} \times \frac{11}{12} \times \frac{1}{2} = \frac{1}{4}$$

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19. $\frac{2}{3} \times \frac{3}{7} \times \frac{7}{10} \times \frac{5}{4} = \frac{1}{4}$

20. $\frac{1}{6} \times \frac{3}{5} \times \frac{4}{9} = \frac{2}{45}$