

Fraction Multiplication

Set out. Multiply numerators, multiply denominators, then simplify. You do not need a common denominator for multiplication.

SEE ONE

$$1/2 \times 4/6 = 1/3$$

Multiply numerators, multiply denominators, then simplify. You do not need a common denominator for multiplication.

$$1/2 \times 4/6 = 1/3$$

TRY THE TRAIL

1

Multiply the numerators.

2

Multiply the denominators.

3

Simplify the product.

Notice this: A fraction of a fraction is usually smaller than either starting fraction.

Ready? Flip the page and use the same move on each problem.



Fraction Multiplication

Do: Solve each problem. Use the picture or place-value setup when it is shown.

1

$$\frac{3}{4} \times \frac{1}{10} = \underline{\hspace{2cm}}$$

2

$$\frac{1}{4} \times \frac{1}{6} = \underline{\hspace{2cm}}$$

3

$$\frac{3}{4} \times \frac{3}{12} = \underline{\hspace{2cm}}$$

4

$$\frac{5}{10} \times \frac{11}{12} = \underline{\hspace{2cm}}$$

5

$$\frac{2}{4} \times \frac{4}{5} = \underline{\hspace{2cm}}$$

6

$$\frac{2}{4} \times \frac{1}{12} = \underline{\hspace{2cm}}$$

CHECK YOUR TRAIL SENSE

Try this one without help.

$$\frac{2}{12} \times \frac{3}{4} = \underline{\hspace{2cm}}$$

One careful line at a time. Accuracy comes before speed.

For the grown-up: Multiply straight across first. What common factor can simplify the result? Keep the answers on the separate key page.



Fraction Multiplication

Keep going: Complete all 24. Work straight down each column.

1

$$\frac{1}{4} \times \frac{8}{12} = \underline{\hspace{2cm}}$$

2

$$\frac{2}{8} \times \frac{3}{10} = \underline{\hspace{2cm}}$$

3

$$\frac{2}{3} \times \frac{1}{5} = \underline{\hspace{2cm}}$$

4

$$\frac{1}{4} \times \frac{5}{12} = \underline{\hspace{2cm}}$$

5

$$\frac{2}{4} \times \frac{1}{4} = \underline{\hspace{2cm}}$$

6

$$\frac{3}{5} \times \frac{1}{4} = \underline{\hspace{2cm}}$$

7

$$\frac{6}{8} \times \frac{2}{4} = \underline{\hspace{2cm}}$$

8

$$\frac{2}{8} \times \frac{11}{12} = \underline{\hspace{2cm}}$$

9

$$\frac{4}{5} \times \frac{1}{2} = \underline{\hspace{2cm}}$$

10

$$\frac{4}{5} \times \frac{2}{3} = \underline{\hspace{2cm}}$$

11

$$\frac{3}{10} \times \frac{4}{10} = \underline{\hspace{2cm}}$$

12

$$\frac{5}{6} \times \frac{1}{4} = \underline{\hspace{2cm}}$$

13

$$\frac{5}{10} \times \frac{4}{5} = \underline{\hspace{2cm}}$$

14

$$\frac{10}{12} \times \frac{4}{8} = \underline{\hspace{2cm}}$$

15

$$\frac{5}{12} \times \frac{1}{3} = \underline{\hspace{2cm}}$$

16

$$\frac{11}{12} \times \frac{4}{6} = \underline{\hspace{2cm}}$$

17

$$\frac{2}{6} \times \frac{1}{2} = \underline{\hspace{2cm}}$$

18

$$\frac{3}{4} \times \frac{4}{6} = \underline{\hspace{2cm}}$$

19

$$\frac{2}{4} \times \frac{2}{5} = \underline{\hspace{2cm}}$$

20

$$\frac{1}{2} \times \frac{1}{3} = \underline{\hspace{2cm}}$$

21

$$\frac{2}{3} \times \frac{1}{2} = \underline{\hspace{2cm}}$$

22

$$\frac{2}{4} \times \frac{7}{8} = \underline{\hspace{2cm}}$$

23

$$\frac{4}{8} \times \frac{6}{10} = \underline{\hspace{2cm}}$$

24

$$\frac{1}{6} \times \frac{4}{12} = \underline{\hspace{2cm}}$$

Steady repetition makes the next problem feel familiar.



Fraction Multiplication

Outcome: Your child can multiply proper fractions and simplify the product.

Readiness: Start here if your child can simplify fractions and understands a fraction as part of a whole.

GUIDED PAGE ANSWERS

1. $\frac{3}{40}$ 2. $\frac{1}{24}$ 3. $\frac{3}{16}$ 4. $\frac{11}{24}$ 5. $\frac{2}{5}$ 6. $\frac{1}{24}$ Check. $\frac{1}{8}$

PRACTICE PAGE ANSWERS

1. $\frac{1}{6}$ 2. $\frac{3}{40}$ 3. $\frac{2}{15}$ 4. $\frac{5}{48}$ 5. $\frac{1}{8}$ 6. $\frac{3}{20}$ 7. $\frac{3}{8}$ 8. $\frac{11}{48}$ 9. $\frac{2}{5}$ 10. $\frac{8}{15}$ 11. $\frac{3}{25}$ 12. $\frac{5}{24}$ 13. $\frac{2}{5}$ 14. $\frac{5}{12}$ 15. $\frac{5}{36}$ 16. $\frac{11}{18}$ 17. $\frac{1}{6}$ 18. $\frac{1}{2}$ 19. $\frac{1}{5}$ 20. $\frac{1}{6}$ 21. $\frac{1}{3}$ 22. $\frac{7}{16}$ 23. $\frac{3}{10}$ 24. $\frac{1}{18}$

WATCH FOR

Your child searches for a common denominator before multiplying.

SAY THIS

“Multiply straight across first. What common factor can simplify the result?”

NEXT USEFUL TRAIL

Integer Multiplication

Recipe multiplication.fraction-multiplication.a.v1 · Seed 63000

