

Fraction Multiplication

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

SEE ONE

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

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

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

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

$$\frac{3}{10} \times \frac{1}{5} = \underline{\hspace{2cm}}$$

2

$$\frac{1}{5} \times \frac{4}{8} = \underline{\hspace{2cm}}$$

3

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

4

$$\frac{8}{12} \times \frac{5}{10} = \underline{\hspace{2cm}}$$

5

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

6

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

CHECK YOUR TRAIL SENSE

Try this one without help.

$$\frac{5}{6} \times \frac{1}{3} = \underline{\hspace{2cm}}$$

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

$1/6 \times 7/12 = \underline{\hspace{2cm}}$

2

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

3

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

4

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

5

$1/10 \times 4/5 = \underline{\hspace{2cm}}$

6

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

7

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

8

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

9

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

10

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

11

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

12

$4/6 \times 3/12 = \underline{\hspace{2cm}}$

13

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

14

$1/10 \times 5/8 = \underline{\hspace{2cm}}$

15

$5/12 \times 9/10 = \underline{\hspace{2cm}}$

16

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

17

$3/12 \times 4/8 = \underline{\hspace{2cm}}$

18

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

19

$1/3 \times 1/6 = \underline{\hspace{2cm}}$

20

$1/2 \times 1/2 = \underline{\hspace{2cm}}$

21

$1/10 \times 1/2 = \underline{\hspace{2cm}}$

22

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

23

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

24

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

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. $\frac{3}{50}$ 2. $\frac{1}{10}$ 3. $\frac{1}{12}$ 4. $\frac{1}{3}$ 5. $\frac{1}{12}$ 6. $\frac{9}{20}$ Check. $\frac{5}{18}$

PRACTICE PAGE ANSWERS

1. $\frac{7}{72}$ 2. $\frac{1}{9}$ 3. $\frac{2}{15}$ 4. $\frac{4}{15}$ 5. $\frac{2}{25}$ 6. $\frac{1}{3}$ 7. $\frac{1}{2}$ 8. $\frac{1}{15}$ 9. $\frac{8}{15}$ 10. $\frac{1}{5}$ 11. $\frac{1}{18}$ 12. $\frac{1}{6}$ 13. $\frac{3}{20}$ 14. $\frac{1}{16}$ 15. $\frac{3}{8}$ 16. $\frac{1}{8}$ 17. $\frac{1}{8}$ 18. $\frac{1}{4}$ 19. $\frac{1}{18}$ 20. $\frac{1}{4}$ 21. $\frac{1}{20}$ 22. $\frac{1}{6}$ 23. $\frac{1}{8}$ 24. $\frac{1}{12}$

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.c.v1 · Seed 65027



More free math:

<https://madeforhomeschool.com/math/pages/fraction-multiplication>