

Fraction Division

Set out. Keep the first fraction, multiply by the reciprocal of the second fraction, then simplify.

SEE ONE

$$5/8 \div 9/12 = 5/6$$

Keep the first fraction, multiply by the reciprocal of the second fraction, then simplify.

$$5/8 \div 9/12 = 5/6$$

TRY THE TRAIL

1

Keep the first fraction.

2

Multiply by the divisor's reciprocal.

3

Simplify the quotient.

Notice this: Only the divisor is replaced by its reciprocal.

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



Fraction Division

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

1

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

2

$$9/12 \div 2/4 = \underline{\hspace{2cm}}$$

3

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

4

$$6/8 \div 4/8 = \underline{\hspace{2cm}}$$

5

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

6

$$5/6 \div 7/8 = \underline{\hspace{2cm}}$$

CHECK YOUR TRAIL SENSE

Try this one without help.

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

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

For the grown-up: Which fraction is the divisor, and what is its reciprocal? Keep the answers on the separate key page.



Fraction Division

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

1

$10/12 \div 7/10 = \underline{\hspace{2cm}}$

2

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

3

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

4

$2/5 \div 6/8 = \underline{\hspace{2cm}}$

5

$9/12 \div 4/5 = \underline{\hspace{2cm}}$

6

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

7

$1/3 \div 1/10 = \underline{\hspace{2cm}}$

8

$1/3 \div 5/8 = \underline{\hspace{2cm}}$

9

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

10

$4/8 \div 3/5 = \underline{\hspace{2cm}}$

11

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

12

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

13

$2/8 \div 2/5 = \underline{\hspace{2cm}}$

14

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

15

$7/12 \div 9/12 = \underline{\hspace{2cm}}$

16

$9/12 \div 7/10 = \underline{\hspace{2cm}}$

17

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

18

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

19

$1/2 \div 6/10 = \underline{\hspace{2cm}}$

20

$4/6 \div 3/8 = \underline{\hspace{2cm}}$

21

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

22

$5/6 \div 8/10 = \underline{\hspace{2cm}}$

23

$7/8 \div 2/8 = \underline{\hspace{2cm}}$

24

$10/12 \div 5/6 = \underline{\hspace{2cm}}$

Steady repetition makes the next problem feel familiar.



Fraction Division

Outcome: Your child can divide proper fractions and simplify the quotient.

Readiness: Start here if your child can multiply and simplify fractions.

GUIDED PAGE ANSWERS

1. 1 2. $\frac{3}{2}$ 3. $\frac{5}{2}$ 4. $\frac{3}{2}$ 5. 3 6. $\frac{20}{21}$ Check. $\frac{2}{3}$

PRACTICE PAGE ANSWERS

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

WATCH FOR

Your child flips both fractions or forgets to change division to multiplication.

SAY THIS

“Which fraction is the divisor, and what is its reciprocal?”

NEXT USEFUL TRAIL

Integer Division

Recipe division.fraction-division.a.v1 · Seed 83000



More free math:

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