

# Fraction Division

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

SEE ONE

$$3/5 \div 2/6 = 9/5$$

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

$$3/5 \div 2/6 = 9/5$$

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

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

2

$$10/12 \div 1/2 = \underline{\hspace{2cm}}$$

3

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

4

$$5/10 \div 3/8 = \underline{\hspace{2cm}}$$

5

$$1/2 \div 9/10 = \underline{\hspace{2cm}}$$

6

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

CHECK YOUR TRAIL SENSE

Try this one without help.

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

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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

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

2

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

3

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

4

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

5

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

6

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

7

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

8

$$6/10 \div 7/10 = \underline{\hspace{2cm}}$$

9

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

10

$$6/8 \div 1/2 = \underline{\hspace{2cm}}$$

11

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

12

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

13

$$1/5 \div 4/6 = \underline{\hspace{2cm}}$$

14

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

15

$$3/6 \div 2/5 = \underline{\hspace{2cm}}$$

16

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

17

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

18

$$7/10 \div 2/4 = \underline{\hspace{2cm}}$$

19

$$1/5 \div 1/12 = \underline{\hspace{2cm}}$$

20

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

21

$$2/8 \div 1/4 = \underline{\hspace{2cm}}$$

22

$$10/12 \div 2/3 = \underline{\hspace{2cm}}$$

23

$$10/12 \div 7/8 = \underline{\hspace{2cm}}$$

24

$$6/12 \div 1/8 = \underline{\hspace{2cm}}$$

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.  $\frac{4}{3}$

2.  $\frac{5}{3}$

3.  $\frac{16}{5}$

4.  $\frac{4}{3}$

5.  $\frac{5}{9}$

6.  $\frac{1}{2}$

Check.  $\frac{5}{4}$

## PRACTICE PAGE ANSWERS

1.  $\frac{5}{2}$

2.  $\frac{5}{6}$

3.  $\frac{4}{5}$

4.  $\frac{4}{3}$

5.  $\frac{21}{8}$

6.  $\frac{5}{12}$

7.  $\frac{2}{5}$

8.  $\frac{6}{7}$

9.  $\frac{2}{5}$

10.  $\frac{3}{2}$

11.  $\frac{3}{4}$

12.  $\frac{5}{9}$

13.  $\frac{3}{10}$

14.  $\frac{3}{4}$

15.  $\frac{5}{4}$

16. 3

17.  $\frac{3}{4}$

18.  $\frac{7}{5}$

19.  $\frac{12}{5}$

20.  $\frac{15}{16}$

21. 1

22.  $\frac{5}{4}$

23.  $\frac{20}{21}$

24. 4

## 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.c.v1 · Seed 85039



More free math:

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