

Decimal Division

Set out. Divide as with whole numbers and bring the decimal point straight into the quotient.

SEE ONE

$$\begin{array}{r} 5.3 \\ 12 \overline{) 63.6} \end{array}$$

Divide as with whole numbers and bring the decimal point straight into the quotient.

$$63.6 \div 12 = 5.3$$

TRY THE TRAIL

1

Divide as with whole numbers.

2

Keep place values aligned.

3

Bring the decimal into the quotient.

Notice this: The decimal point in the quotient stays directly above the decimal point in the dividend.

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



Decimal Division

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

1

$$7 \overline{) 774.2}$$

2

$$9 \overline{) 37.53}$$

3

$$8 \overline{) 883.2}$$

4

$$5 \overline{) 83.1}$$

5

$$3 \overline{) 7.2}$$

6

$$3 \overline{) 48.57}$$

CHECK YOUR TRAIL SENSE

Try this one without help.

$$8 \overline{) 99.36}$$

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

For the grown-up: Where is the dividend's decimal point, and where must it appear in the quotient? Keep the answers on the separate key page.



Decimal Division

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

1

$$7 \overline{) 87.5}$$

2

$$4 \overline{) 42.72}$$

3

$$5 \overline{) 452.5}$$

4

$$10 \overline{) 50.4}$$

5

$$3 \overline{) 550.8}$$

6

$$9 \overline{) 97.65}$$

7

$$7 \overline{) 922.6}$$

8

$$7 \overline{) 28.28}$$

9

$$12 \overline{) 433.2}$$

10

$$6 \overline{) 26.46}$$

11

$$12 \overline{) 454.8}$$

12

$$7 \overline{) 62.51}$$

13

$$2 \overline{) 137.6}$$

14

$$11 \overline{) 66.11}$$

15

$$6 \overline{) 261.6}$$

16

$$7 \overline{) 23.31}$$

17

$$9 \overline{) 595.8}$$

18

$$7 \overline{) 46.2}$$

19

$$11 \overline{) 533.5}$$

20

$$8 \overline{) 22.24}$$

21

$$2 \overline{) 831.8}$$

22

$$9 \overline{) 25.2}$$

23

$$7 \overline{) 17.5}$$

24

$$11 \overline{) 21.23}$$

Steady repetition makes the next problem feel familiar.



Decimal Division

Outcome: Your child can divide a decimal by a whole number with an exact decimal quotient.

Readiness: Start here if your child can divide whole numbers and understands tenths and hundredths.

GUIDED PAGE ANSWERS

1. 110.6 2. 4.17 3. 110.4 4. 16.62 5. 2.4 6. 16.19 Check. 12.42

PRACTICE PAGE ANSWERS

1. 12.5 2. 10.68 3. 90.5 4. 5.04 5. 183.6 6. 10.85 7. 131.8 8. 4.04
9. 36.1 10. 4.41 11. 37.9 12. 8.93 13. 68.8 14. 6.01 15. 43.6 16. 3.33
17. 66.2 18. 6.6 19. 48.5 20. 2.78 21. 415.9 22. 2.8 23. 2.5 24. 1.93

WATCH FOR

Your child moves the decimal point without keeping its place-value column aligned.

SAY THIS

“Where is the dividend’s decimal point, and where must it appear in the quotient?”

NEXT USEFUL TRAIL

Fraction Division

Recipe division.decimal-division.a.v1 • Seed 82000



More free math:

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