

Integer Division

Set out. Divide the absolute values, then decide the sign. Matching signs make a positive quotient; different signs make a negative quotient.

SEE ONE

$$84 \div (-12) = -7$$

Divide the absolute values, then decide the sign. Matching signs make a positive quotient; different signs make a negative quotient.

$$84 \div (-12) = -7$$

TRY THE TRAIL

1

Compare the signs.

2

Choose the quotient sign.

3

Divide the absolute values.

Notice this: The divisor can never be zero.

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



Integer Division

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

1

$$(-36) \div 9 = \underline{\hspace{2cm}}$$

2

$$21 \div 3 = \underline{\hspace{2cm}}$$

3

$$9 \div (-1) = \underline{\hspace{2cm}}$$

4

$$110 \div 10 = \underline{\hspace{2cm}}$$

5

$$(-14) \div 7 = \underline{\hspace{2cm}}$$

6

$$(-48) \div (-8) = \underline{\hspace{2cm}}$$

CHECK YOUR TRAIL SENSE

Try this one without help.

$$(-7) \div (-7) = \underline{\hspace{2cm}}$$

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

For the grown-up: Do the signs match? Decide the sign before dividing the absolute values. Keep the answers on the separate key page.



Integer Division

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

1

$$(-42) \div 6 = \underline{\hspace{2cm}}$$

2

$$60 \div 6 = \underline{\hspace{2cm}}$$

3

$$4 \div (-4) = \underline{\hspace{2cm}}$$

4

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

5

$$(-96) \div 8 = \underline{\hspace{2cm}}$$

6

$$(-72) \div (-8) = \underline{\hspace{2cm}}$$

7

$$(-80) \div 8 = \underline{\hspace{2cm}}$$

8

$$9 \div 3 = \underline{\hspace{2cm}}$$

9

$$6 \div (-2) = \underline{\hspace{2cm}}$$

10

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

11

$$(-48) \div 8 = \underline{\hspace{2cm}}$$

12

$$(-40) \div (-8) = \underline{\hspace{2cm}}$$

13

$$(-120) \div 12 = \underline{\hspace{2cm}}$$

14

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

15

$$81 \div (-9) = \underline{\hspace{2cm}}$$

16

$$22 \div 11 = \underline{\hspace{2cm}}$$

17

$$(-10) \div 10 = \underline{\hspace{2cm}}$$

18

$$(-72) \div (-6) = \underline{\hspace{2cm}}$$

19

$$(-21) \div 3 = \underline{\hspace{2cm}}$$

20

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

21

$$12 \div (-4) = \underline{\hspace{2cm}}$$

22

$$144 \div 12 = \underline{\hspace{2cm}}$$

23

$$(-36) \div 9 = \underline{\hspace{2cm}}$$

24

$$(-2) \div (-1) = \underline{\hspace{2cm}}$$

Steady repetition makes the next problem feel familiar.



More free math:

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

Integer Division

Outcome: Your child can divide positive and negative integers exactly.

Readiness: Start here if your child knows division facts and can identify positive and negative integers.

GUIDED PAGE ANSWERS

1. -4 2. 7 3. -9 4. 11 5. -2 6. 6 Check. 1

PRACTICE PAGE ANSWERS

1. -7 2. 10 3. -1 4. 10 5. -12 6. 9 7. -10 8. 3
9. -3 10. 2 11. -6 12. 5 13. -10 14. 1 15. -9 16. 2
17. -1 18. 12 19. -7 20. 10 21. -3 22. 12 23. -4 24. 2

WATCH FOR

Your child applies the sign rule inconsistently after finding the absolute-value quotient.

SAY THIS

“Do the signs match? Decide the sign before dividing the absolute values.”

NEXT USEFUL TRAIL

Choose the next trail your child needs

Recipe division.integer-division.c.v1 · Seed 86039



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