

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

$$18 \div (-3) = -6$$

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

$$18 \div (-3) = -6$$

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

$$(-20) \div 4 = \underline{\hspace{2cm}}$$

2

$$48 \div 4 = \underline{\hspace{2cm}}$$

3

$$63 \div (-9) = \underline{\hspace{2cm}}$$

4

$$24 \div 8 = \underline{\hspace{2cm}}$$

5

$$(-22) \div 2 = \underline{\hspace{2cm}}$$

6

$$(-88) \div (-8) = \underline{\hspace{2cm}}$$

CHECK YOUR TRAIL SENSE

Try this one without help.

$$(-5) \div (-1) = \underline{\hspace{2cm}}$$

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 $(-132) \div 11 = \underline{\hspace{2cm}}$	2 $12 \div 1 = \underline{\hspace{2cm}}$	3 $70 \div (-7) = \underline{\hspace{2cm}}$	4 $77 \div 7 = \underline{\hspace{2cm}}$
5 $(-70) \div 10 = \underline{\hspace{2cm}}$	6 $(-10) \div (-10) = \underline{\hspace{2cm}}$	7 $(-50) \div 5 = \underline{\hspace{2cm}}$	8 $2 \div 2 = \underline{\hspace{2cm}}$
9 $32 \div (-4) = \underline{\hspace{2cm}}$	10 $80 \div 10 = \underline{\hspace{2cm}}$	11 $(-48) \div 8 = \underline{\hspace{2cm}}$	12 $(-15) \div (-5) = \underline{\hspace{2cm}}$
13 $(-8) \div 1 = \underline{\hspace{2cm}}$	14 $12 \div 6 = \underline{\hspace{2cm}}$	15 $99 \div (-11) = \underline{\hspace{2cm}}$	16 $90 \div 10 = \underline{\hspace{2cm}}$
17 $(-35) \div 7 = \underline{\hspace{2cm}}$	18 $(-36) \div (-3) = \underline{\hspace{2cm}}$	19 $(-84) \div 12 = \underline{\hspace{2cm}}$	20 $77 \div 11 = \underline{\hspace{2cm}}$
21 $81 \div (-9) = \underline{\hspace{2cm}}$	22 $70 \div 10 = \underline{\hspace{2cm}}$	23 $(-24) \div 12 = \underline{\hspace{2cm}}$	24 $(-99) \div (-11) = \underline{\hspace{2cm}}$

Steady repetition makes the next problem feel familiar.



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. -5 2. 12 3. -7 4. 3 5. -11 6. 11 Check. 5

PRACTICE PAGE ANSWERS

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

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.a.v1 · Seed 84000

