

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

$$42 \div (-6) = -7$$

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

$$42 \div (-6) = -7$$

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

$$(-60) \div 5 = \underline{\hspace{2cm}}$$

2

$$50 \div 5 = \underline{\hspace{2cm}}$$

3

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

4

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

5

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

6

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

CHECK YOUR TRAIL SENSE

Try this one without help.

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

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	2	3	4
$(-30) \div 6 = \underline{\hspace{2cm}}$	$81 \div 9 = \underline{\hspace{2cm}}$	$63 \div (-7) = \underline{\hspace{2cm}}$	$16 \div 8 = \underline{\hspace{2cm}}$
5	6	7	8
$(-6) \div 6 = \underline{\hspace{2cm}}$	$(-40) \div (-5) = \underline{\hspace{2cm}}$	$(-36) \div 4 = \underline{\hspace{2cm}}$	$33 \div 11 = \underline{\hspace{2cm}}$
9	10	11	12
$120 \div (-10) = \underline{\hspace{2cm}}$	$9 \div 9 = \underline{\hspace{2cm}}$	$(-48) \div 4 = \underline{\hspace{2cm}}$	$(-18) \div (-3) = \underline{\hspace{2cm}}$
13	14	15	16
$(-144) \div 12 = \underline{\hspace{2cm}}$	$16 \div 8 = \underline{\hspace{2cm}}$	$6 \div (-6) = \underline{\hspace{2cm}}$	$18 \div 9 = \underline{\hspace{2cm}}$
17	18	19	20
$(-72) \div 9 = \underline{\hspace{2cm}}$	$(-18) \div (-6) = \underline{\hspace{2cm}}$	$(-80) \div 10 = \underline{\hspace{2cm}}$	$50 \div 5 = \underline{\hspace{2cm}}$
21	22	23	24
$56 \div (-8) = \underline{\hspace{2cm}}$	$33 \div 3 = \underline{\hspace{2cm}}$	$(-66) \div 11 = \underline{\hspace{2cm}}$	$(-12) \div (-1) = \underline{\hspace{2cm}}$

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. -12 2. 10 3. -10 4. 3 5. -7 6. 3 Check. 2

PRACTICE PAGE ANSWERS

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

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.b.v1 · Seed 85013

