

Integer Multiplication

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

SEE ONE

$$(-7) \times (-7) = 49$$

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

$$(-7) \times (-7) = 49$$

TRY THE TRAIL

1

Compare the signs.

2

Choose the product sign.

3

Multiply the absolute values.

Notice this: The sign rule depends on whether the two signs match, not on which factor has the larger value.

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



Integer Multiplication

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

1

$$(-1) \times 3 = \underline{\hspace{2cm}}$$

2

$$(-6) \times 5 = \underline{\hspace{2cm}}$$

3

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

4

$$8 \times 2 = \underline{\hspace{2cm}}$$

5

$$(-7) \times 6 = \underline{\hspace{2cm}}$$

6

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

CHECK YOUR TRAIL SENSE

Try this one without help.

$$(-11) \times (-11) = \underline{\hspace{2cm}}$$

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

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



More free math:

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

Integer Multiplication

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

1

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

2

$$9 \times (-5) = \underline{\hspace{2cm}}$$

3

$$(-11) \times (-11) = \underline{\hspace{2cm}}$$

4

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

5

$$(-5) \times 7 = \underline{\hspace{2cm}}$$

6

$$(-3) \times (-8) = \underline{\hspace{2cm}}$$

7

$$(-11) \times (-5) = \underline{\hspace{2cm}}$$

8

$$10 \times 9 = \underline{\hspace{2cm}}$$

9

$$(-7) \times (-11) = \underline{\hspace{2cm}}$$

10

$$8 \times 9 = \underline{\hspace{2cm}}$$

11

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

12

$$1 \times (-12) = \underline{\hspace{2cm}}$$

13

$$(-3) \times (-1) = \underline{\hspace{2cm}}$$

14

$$9 \times (-10) = \underline{\hspace{2cm}}$$

15

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

16

$$(-11) \times (-5) = \underline{\hspace{2cm}}$$

17

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

18

$$1 \times (-4) = \underline{\hspace{2cm}}$$

19

$$(-10) \times (-6) = \underline{\hspace{2cm}}$$

20

$$(-3) \times 10 = \underline{\hspace{2cm}}$$

21

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

22

$$8 \times (-10) = \underline{\hspace{2cm}}$$

23

$$(-11) \times (-10) = \underline{\hspace{2cm}}$$

24

$$(-9) \times (-5) = \underline{\hspace{2cm}}$$

Steady repetition makes the next problem feel familiar.



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Integer Multiplication

Outcome: Your child can multiply positive and negative integers.

Readiness: Start here if your child knows multiplication facts and can identify positive and negative numbers.

GUIDED PAGE ANSWERS

1. -3 2. -30 3. 48 4. 16 5. -42 6. 10 **Check.** 121

PRACTICE PAGE ANSWERS

1. -10 2. -45 3. 121 4. -9 5. -35 6. 24 7. 55 8. 90
9. 77 10. 72 11. 12 12. -12 13. 3 14. -90 15. 20 16. 55
17. 16 18. -4 19. 60 20. -30 21. 8 22. -80 23. 110 24. 45

WATCH FOR

Your child adds or subtracts the signs instead of comparing them.

SAY THIS

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

NEXT USEFUL TRAIL

Division Trail

Recipe multiplication.integer-multiplication.c.v1 · Seed 66027



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