

Missing Factors

Set out. A missing factor asks what number joins the known factor to make the product. Use multiplication facts or the inverse division fact.

SEE ONE

$$10 \times 9 = 90$$

A missing factor asks what number joins the known factor to make the product. Use multiplication facts or the inverse division fact.

$$10 \times 9 = 90$$

TRY THE TRAIL

1

Name the known factor.

2

Ask what makes the product.

3

Multiply back to check.

Notice this: The product is the whole amount; the factors tell how that whole is grouped.

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



Missing Factors

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

1

$$2 \times \underline{\quad} = 18$$

2

$$3 \times \underline{\quad} = 12$$

3

$$7 \times \underline{\quad} = 84$$

4

$$4 \times \underline{\quad} = 12$$

5

$$3 \times \underline{\quad} = 33$$

6

$$10 \times \underline{\quad} = 30$$

CHECK YOUR TRAIL SENSE

Try this one without help.

$$12 \times \underline{\quad} = 144$$

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

For the grown-up: What number times the factor you know makes this product? Keep the answers on the separate key page.



Missing Factors

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

1

$2 \times \underline{\quad} = 20$

2

$3 \times \underline{\quad} = 15$

3

$8 \times \underline{\quad} = 24$

4

$4 \times \underline{\quad} = 32$

5

$7 \times \underline{\quad} = 28$

6

$6 \times \underline{\quad} = 72$

7

$2 \times \underline{\quad} = 16$

8

$6 \times \underline{\quad} = 66$

9

$3 \times \underline{\quad} = 6$

10

$4 \times \underline{\quad} = 8$

11

$8 \times \underline{\quad} = 96$

12

$12 \times \underline{\quad} = 24$

13

$9 \times \underline{\quad} = 36$

14

$9 \times \underline{\quad} = 72$

15

$8 \times \underline{\quad} = 88$

16

$5 \times \underline{\quad} = 60$

17

$5 \times \underline{\quad} = 45$

18

$11 \times \underline{\quad} = 33$

19

$2 \times \underline{\quad} = 20$

20

$4 \times \underline{\quad} = 24$

21

$2 \times \underline{\quad} = 18$

22

$4 \times \underline{\quad} = 28$

23

$5 \times \underline{\quad} = 20$

24

$8 \times \underline{\quad} = 72$

Steady repetition makes the next problem feel familiar.



Missing Factors

Outcome: Your child can find an unknown factor in a multiplication equation.

Readiness: Start here if your child can solve mixed multiplication facts through twelve.

GUIDED PAGE ANSWERS

1. 9 2. 4 3. 12 4. 3 5. 11 6. 3 Check. 12

PRACTICE PAGE ANSWERS

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

WATCH FOR

Your child subtracts the known factor from the product.

SAY THIS

“What number times the factor you know makes this product?”

NEXT USEFUL TRAIL

Two-Digit by One-Digit Multiplication

Recipe multiplication.missing-factors.b.v1 • Seed 59009



More free math:

<https://madeforhomeschool.com/math/pages/missing-factors>