

Multiply by 7, 8, 9, 11, and 12

Set out. Use a nearby fact you know, then adjust. Eight groups are double four groups; nine groups are ten groups minus one group.

SEE ONE

$$9 \times 9 = 81$$

Use a nearby fact you know, then adjust. Eight groups are double four groups; nine groups are ten groups minus one group.

$$9 \times 9 = 81$$

TRY THE TRAIL

1

Read both factors.

2

Choose a fact strategy.

3

Multiply and check that the product is reasonable.

Notice this: The strategy matters more than answering from memory on the first try.

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



Multiply by 7, 8, 9, 11, and 12

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

1

$$12 \times 2 = \underline{\quad}$$

2

$$7 \times 12 = \underline{\quad}$$

3

$$11 \times 1 = \underline{\quad}$$

4

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

5

$$12 \times 5 = \underline{\quad}$$

6

$$11 \times 4 = \underline{\quad}$$

CHECK YOUR TRAIL SENSE

Try this one without help.

$$12 \times 9 = \underline{\quad}$$

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

For the grown-up: What nearby fact do you trust, and what small change gets you here? Keep the answers on the separate key page.



Multiply by 7, 8, 9, 11, and 12

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

1

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

2

$11 \times 12 = \underline{\quad}$

3

$9 \times 8 = \underline{\quad}$

4

$7 \times 8 = \underline{\quad}$

5

$9 \times 10 = \underline{\quad}$

6

$10 \times 9 = \underline{\quad}$

7

$8 \times 10 = \underline{\quad}$

8

$1 \times 8 = \underline{\quad}$

9

$7 \times 9 = \underline{\quad}$

10

$2 \times 9 = \underline{\quad}$

11

$12 \times 5 = \underline{\quad}$

12

$10 \times 12 = \underline{\quad}$

13

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

14

$9 \times 8 = \underline{\quad}$

15

$11 \times 7 = \underline{\quad}$

16

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

17

$9 \times 12 = \underline{\quad}$

18

$4 \times 11 = \underline{\quad}$

19

$11 \times 6 = \underline{\quad}$

20

$2 \times 11 = \underline{\quad}$

21

$12 \times 9 = \underline{\quad}$

22

$12 \times 8 = \underline{\quad}$

23

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

24

$9 \times 11 = \underline{\quad}$

Steady repetition makes the next problem feel familiar.



Multiply by 7, 8, 9, 11, and 12

Outcome: Your child can solve the remaining multiplication facts through twelve.
Readiness: Start here if your child can use known facts to build a nearby multiplication fact.

GUIDED PAGE ANSWERS

1. 24 2. 84 3. 11 4. 48 5. 60 6. 44 **Check.** 108

PRACTICE PAGE ANSWERS

1. 81 2. 132 3. 72 4. 56 5. 90 6. 90 7. 80 8. 8
9. 63 10. 18 11. 60 12. 120 13. 49 14. 72 15. 77 16. 32
17. 108 18. 44 19. 66 20. 22 21. 108 22. 96 23. 144 24. 99

WATCH FOR

Your child guesses quickly instead of building from a known fact.

SAY THIS

“What nearby fact do you trust, and what small change gets you here?”

NEXT USEFUL TRAIL

Mixed Multiplication Facts to 12

Recipe multiplication.multiply-by-7-8-9-11-12.b.v1 · Seed 57009

