LEARN

Multiply by 3, 4, and 6

Set out. Build harder facts from facts you know. Double a two fact to get a four fact, or combine a three fact with another three fact to get a six fact.

SEE ONE

$4 \times 6 = 24$

Build harder facts from facts you know. Double a two fact to get a four fact, or combine a three fact with another three fact to get a six fact.

$4 \times 6 = 24$

TRY THE TRAIL

1. Read both factors.
2. Choose a fact strategy.
3. Multiply and check that the product is reasonable.

Notice this: A new fact can be split into two friendlier facts.

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

DO + CHECK

Multiply by 3, 4, and 6

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

1. $4 \times 11 =$ _____

2. $11 \times 3 =$ _____

3. $4 \times 12 =$ _____

4. $2 \times 6 =$ _____

5. $3 \times 8 =$ _____

6. $9 \times 4 =$ _____

CHECK YOUR TRAIL SENSE

Try this one without help.

$9 \times 4 =$ _____

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

For the grown-up: Which easier fact could you double or combine to make this one? Keep the answers on the separate key page.

PRACTICE

Multiply by 3, 4, and 6

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

1 $3 \times 11 =$ _____

2 $7 \times 3 =$ _____

3 $3 \times 12 =$ _____

4 $7 \times 3 =$ _____

5 $4 \times 4 =$ _____

6 $3 \times 3 =$ _____

7 $4 \times 1 =$ _____

8 $4 \times 6 =$ _____

9 $4 \times 9 =$ _____

10 $3 \times 6 =$ _____

11 $4 \times 9 =$ _____

12 $6 \times 4 =$ _____

13 $4 \times 1 =$ _____

14 $8 \times 4 =$ _____

15 $3 \times 3 =$ _____

16 $7 \times 4 =$ _____

17 $4 \times 2 =$ _____

18 $11 \times 6 =$ _____

19 $6 \times 2 =$ _____

20 $4 \times 3 =$ _____

21 $3 \times 4 =$ _____

22 $4 \times 3 =$ _____

23 $3 \times 3 =$ _____

24 $3 \times 6 =$ _____

Steady repetition makes the next problem feel familiar.

GROWN-UP KEY

Multiply by 3, 4, and 6

Outcome: Your child can solve multiplication facts using three, four, or six as a factor.
Readiness: Start here if your child knows the easier zero, one, two, five, and ten facts.

GUIDED PAGE ANSWERS

1. 44 **2.** 33 **3.** 48 **4.** 12 **5.** 24 **6.** 36 **Check.** 36

PRACTICE PAGE ANSWERS

1. 33	**2.** 21	**3.** 36	**4.** 21	**5.** 16	**6.** 9	**7.** 4	**8.** 24
9. 36	**10.** 18	**11.** 36	**12.** 24	**13.** 4	**14.** 32	**15.** 9	**16.** 28
17. 8	**18.** 66	**19.** 12	**20.** 12	**21.** 12	**22.** 12	**23.** 9	**24.** 18

WATCH FOR

Your child tries to memorize an answer after losing track of the factors.

SAY THIS

“Which easier fact could you double or combine to make this one?”

NEXT USEFUL TRAIL

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

Recipe multiplication.multiply-by-3-4-6.c.v1 · Seed 57027