# Missing Numbers: 10 × 10, Set A



Write the missing products. The row and column around each one can help.

| × | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 | | 7 | | 9 | |
| 2 | | 4 | 6 | | 10 | 12 | 14 | | 18 | |
| 3 | 3 | | 9 | | 15 | 18 | 21 | 24 | 27 | |
| 4 | 4 | | 12 | | 20 | | 28 | 32 | | 40 |
| 5 | 5 | 10 | | 20 | | 30 | 35 | 40 | 45 | |
| 6 | | 12 | 18 | | 30 | | 42 | | 54 | 60 |
| 7 | 7 | 14 | | 28 | 35 | | 49 | 56 | 63 | |
| 8 | 8 | 16 | 24 | | 40 | 48 | | 64 | | 80 |
| 9 | | 18 | 27 | | 45 | | 63 | 72 | | 90 |
| 10 | | 20 | 30 | | 50 | 60 | | 80 | 90 | |

# Missing Numbers: 10 × 10, Set B



Write the missing products. The row and column around each one can help.

| × | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | | 4 | 5 | 6 | 7 | | 9 | |
| 2 | 2 | 4 | | 8 | | 12 | 14 | 16 | 18 | |
| 3 | | 6 | 9 | 12 | 15 | | 21 | | 27 | |
| 4 | 4 | 8 | | 16 | 20 | | 28 | | 36 | 40 |
| 5 | 5 | 10 | | 20 | 25 | | 35 | | 45 | |
| 6 | | 12 | | 24 | 30 | | 42 | 48 | 54 | 60 |
| 7 | 7 | 14 | 21 | 28 | | 42 | | 56 | | 70 |
| 8 | 8 | | 24 | 32 | 40 | | 56 | 64 | 72 | |
| 9 | 9 | | 27 | | 45 | | 63 | | 81 | 90 |
| 10 | 10 | | 30 | 40 | 50 | | 70 | 80 | | 100 |

# Missing Numbers: 12 × 12, Set A



Write the missing products. The row and column around each one can help.

| × | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | | 3 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| 2 | | 4 | | 8 | | 12 | 14 | 16 | 18 | 20 | 22 | |
| 3 | 3 | 6 | 9 | 12 | | 18 | | 24 | 27 | | 33 | 36 |
| 4 | 4 | 8 | 12 | 16 | | 24 | 28 | 32 | | 40 | 44 | |
| 5 | | 10 | 15 | | 25 | 30 | 35 | | 45 | | 55 | 60 |
| 6 | 6 | 12 | 18 | 24 | | 36 | | 48 | 54 | 60 | | 72 |
| 7 | | 14 | 21 | | 35 | 42 | 49 | 56 | 63 | | 77 | 84 |
| 8 | | 16 | 24 | 32 | 40 | | 56 | 64 | | 80 | | 96 |
| 9 | 9 | | 27 | 36 | | 54 | | 72 | | 90 | 99 | 108 |
| 10 | | 20 | 30 | 40 | | 60 | 70 | 80 | 90 | | 110 | |
| 11 | 11 | | 33 | 44 | | 66 | | 88 | 99 | 110 | 121 | 132 |
| 12 | | 24 | | 48 | | 72 | 84 | 96 | | 120 | 132 | 144 |

# Missing Numbers: 12 × 12, Set B



Write the missing products. The row and column around each one can help.

| × | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 |  | 3 | 4 | 5 | 6 |  | 8 | 9 |  | 11 | 12 |
| 2 |  | 4 |  | 8 |  | 12 | 14 |  | 18 | 20 | 22 | 24 |
| 3 | 3 |  | 9 | 12 |  | 18 | 21 |  | 27 | 30 | 33 | 36 |
| 4 | 4 |  | 12 | 16 |  | 24 |  | 32 | 36 | 40 | 44 |  |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 |  | 40 |  | 50 |  | 60 |
| 6 |  | 12 |  | 24 | 30 |  | 42 | 48 | 54 | 60 |  | 72 |
| 7 | 7 |  | 21 | 28 |  | 42 | 49 | 56 | 63 |  | 77 | 84 |
| 8 | 8 | 16 | 24 | 32 |  | 48 | 56 |  | 72 | 80 |  | 96 |
| 9 | 9 | 18 |  | 36 | 45 | 54 | 63 |  | 81 | 90 | 99 |  |
| 10 | 10 |  | 30 |  | 50 | 60 |  | 80 | 90 |  | 110 | 120 |
| 11 |  | 22 | 33 |  | 55 | 66 | 77 |  | 99 | 110 | 121 | 132 |
| 12 | 12 |  | 36 |  | 60 | 72 |  | 96 | 108 | 120 |  | 144 |



# Missing Numbers in Learning Order



In the order kids learn the tables, not number order. Write the 36 facts left.

| × | 2 | 5 | 10 | 1 | 3 | 4 | 6 | 8 | 9 | 7 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 4 | 10 | 20 | 2 | 6 | 8 | 12 | 16 | 18 | 14 | |
| 5 | 10 | 25 | 50 | 5 | 15 | 20 | 30 | 40 | 45 | 35 | 2, 5 and 10 |
| 10 | 20 | 50 | 100 | 10 | 30 | 40 | 60 | 80 | 90 | 70 | |
| 1 | 2 | 5 | 10 | 1 | 3 | 4 | 6 | 8 | 9 | 7 | 1 |
| 3 | 6 | 15 | 30 | 3 | | | | | | | 3 and 4 |
| 4 | 8 | 20 | 40 | 4 | | | | | | | |
| 6 | 12 | 30 | 60 | 6 | | | | | | | 6 and 8 |
| 8 | 16 | 40 | 80 | 8 | | | | | | | |
| 9 | 18 | 45 | 90 | 9 | | | | | | | 9 |
| 7 | 14 | 35 | 70 | 7 | | | | | | | 7 |

The 2s, 5s, 10s and 1s are filled in. Each band is one family's new facts.

# Missing Numbers: Facts Left in Number Order



The same 36 facts, on the chart in number order. Write each one.

| × | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | 3 | 6 | | | 15 | | | | | 30 |
| 4 | 4 | 8 | | | 20 | | | | | 40 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 6 | 6 | 12 | | | 30 | | | | | 60 |
| 7 | 7 | 14 | | | 35 | | | | | 70 |
| 8 | 8 | 16 | | | 40 | | | | | 80 |
| 9 | 9 | 18 | | | 45 | | | | | 90 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

# Missing Numbers: Answer Key, Page 1



For the grown-up. Each red number sits where your child writes it.

| × | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

# Missing Numbers: Answer Key, Page 2



For the grown-up. Each red number sits where your child writes it.

| × | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

# Missing Numbers: Answer Key, Page 3



For the grown-up. Each red number sits where your child writes it.

| × | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 44 | 48 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 | 77 | 84 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 | 99 | 108 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| 11 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 110 | 121 | 132 |
| 12 | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |

# Missing Numbers: Answer Key, Page 4



For the grown-up. Each red number sits where your child writes it.

| × | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 44 | 48 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 | 77 | 84 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 | 99 | 108 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| 11 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 110 | 121 | 132 |
| 12 | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |

# Missing Numbers: Answer Key, Page 5



For the grown-up. Each red number sits where your child writes it.

| × | 2 | 5 | 10 | 1 | 3 | 4 | 6 | 8 | 9 | 7 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 4 | 10 | 20 | 2 | 6 | 8 | 12 | 16 | 18 | 14 | 2, 5 and 10 |
| 5 | 10 | 25 | 50 | 5 | 15 | 20 | 30 | 40 | 45 | 35 | |
| 10 | 20 | 50 | 100 | 10 | 30 | 40 | 60 | 80 | 90 | 70 | |
| 1 | 2 | 5 | 10 | 1 | 3 | 4 | 6 | 8 | 9 | 7 | 1 |
| 3 | 6 | 15 | 30 | 3 | 9 | 12 | 18 | 24 | 27 | 21 | 3 and 4 |
| 4 | 8 | 20 | 40 | 4 | 12 | 16 | 24 | 32 | 36 | 28 | |
| 6 | 12 | 30 | 60 | 6 | 18 | 24 | 36 | 48 | 54 | 42 | 6 and 8 |
| 8 | 16 | 40 | 80 | 8 | 24 | 32 | 48 | 64 | 72 | 56 | |
| 9 | 18 | 45 | 90 | 9 | 27 | 36 | 54 | 72 | 81 | 63 | 9 |
| 7 | 14 | 35 | 70 | 7 | 21 | 28 | 42 | 56 | 63 | 49 | 7 |

# Missing Numbers: Answer Key, Page 6



For the grown-up. Each red number sits where your child writes it.

| × | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

# For Grown-Ups: How to Use These Charts



For third grade, once some families are known. Every page has an answer key.

## Why use it

Third graders are expected to know every product of two one-digit numbers from memory by the end of the year (Common Core 3.OA.C.7). Schools teach the facts a family at a time, easiest first. After the 2s, 5s, 10s and 1s, only 36 of the 100 squares are still to learn, and practice on facts that are understood but not yet quick does the most good.

## What it is good for

- A quick check of which facts are still slow, two sets in each size.
- The 36 facts that are left: in one block in learning order on page 5, scattered in number order on page 6.
- Using the row and column around a missing square to work it out.

## How to use it

1. Start with a 10 × 10 page. Your child fills each empty square.
2. Note the facts that were slow or wrong, and practice those.
3. Try the facts that are left in learning order, then in number order.
4. Check with the answer key. Each red number sits where your child writes it.

> **Try saying:** “The square above it is 42. What is one more 6?”

**Tip:** A slow fact is the one to practice, not a mistake to worry about.