Addition Within 20: Without Crossing Ten

Write the answer in the box.

10 + 7 = ☐	17 + 2 = ☐	1 + 10 = ☐
5 + 11 = ☐	13 + 2 = ☐	6 + 12 = ☐
1 + 18 = ☐	15 + 3 = ☐	2 + 14 = ☐
12 + 6 = ☐	2 + 11 = ☐	13 + 4 = ☐
4 + 11 = ☐	6 + 10 = ☐	2 + 13 = ☐
2 + 10 = ☐	11 + 8 = ☐	13 + 3 = ☐

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Addition Within 20: Without Crossing Ten

Write the answer in the box.

1 + 10 = ☐	13 + 2 = ☐	1 + 18 = ☐
2 + 13 = ☐	15 + 3 = ☐	2 + 11 = ☐
6 + 12 = ☐	17 + 2 = ☐	13 + 3 = ☐
2 + 10 = ☐	6 + 10 = ☐	10 + 7 = ☐
5 + 11 = ☐	13 + 4 = ☐	11 + 8 = ☐
12 + 6 = ☐	2 + 14 = ☐	4 + 11 = ☐

Addition Within 20: Crossing Ten

Write the answer in the box.

4 + 7 = ☐	7 + 9 = ☐	9 + 6 = ☐
7 + 5 = ☐	5 + 6 = ☐	8 + 4 = ☐
6 + 9 = ☐	3 + 9 = ☐	9 + 9 = ☐
6 + 6 = ☐	7 + 8 = ☐	9 + 5 = ☐
2 + 9 = ☐	8 + 6 = ☐	9 + 2 = ☐
8 + 5 = ☐	6 + 5 = ☐	6 + 8 = ☐

Addition Within 20: Crossing Ten

Write the answer in the box.

6 + 6 = ☐	6 + 8 = ☐	3 + 9 = ☐
6 + 9 = ☐	9 + 9 = ☐	5 + 6 = ☐
7 + 5 = ☐	2 + 9 = ☐	9 + 6 = ☐
4 + 7 = ☐	8 + 4 = ☐	7 + 9 = ☐
8 + 5 = ☐	6 + 5 = ☐	8 + 6 = ☐
7 + 8 = ☐	9 + 5 = ☐	9 + 2 = ☐

Addition Within 20: Mixed Facts

Write the answer in the box.

9 + 5 = ☐	5 + 14 = ☐	10 + 4 = ☐
2 + 14 = ☐	11 + 3 = ☐	4 + 1 = ☐
9 + 6 = ☐	2 + 11 = ☐	4 + 4 = ☐
6 + 7 = ☐	19 + 1 = ☐	3 + 9 = ☐
9 + 1 = ☐	2 + 6 = ☐	0 + 15 = ☐
1 + 17 = ☐	8 + 7 = ☐	7 + 9 = ☐

Addition Within 20: Mixed Facts

Write the answer in the box.

5 + 14 = ☐	3 + 9 = ☐	2 + 11 = ☐
2 + 14 = ☐	4 + 4 = ☐	11 + 3 = ☐
19 + 1 = ☐	8 + 7 = ☐	7 + 9 = ☐
1 + 17 = ☐	6 + 7 = ☐	9 + 6 = ☐
4 + 1 = ☐	10 + 4 = ☐	9 + 1 = ☐
0 + 15 = ☐	2 + 6 = ☐	9 + 5 = ☐



Addition Within 20: The Missing Number

Write the missing number.

☐ + 9 = 18	☐ + 6 = 11	☐ + 8 = 14
6 + ☐ = 14	☐ + 12 = 19	☐ + 6 = 15
6 + ☐ = 11	7 + ☐ = 16	11 + ☐ = 14
☐ + 12 = 20	4 + ☐ = 11	☐ + 7 = 15
9 + ☐ = 14	☐ + 10 = 18	☐ + 5 = 14
7 + ☐ = 15	2 + ☐ = 11	9 + ☐ = 16



Addition Within 20: The Missing Number

Write the missing number.

7 + ☐ = 15	6 + ☐ = 11	☐ + 9 = 18
☐ + 6 = 11	4 + ☐ = 11	☐ + 10 = 18
☐ + 8 = 14	9 + ☐ = 14	☐ + 12 = 19
2 + ☐ = 11	☐ + 12 = 20	☐ + 5 = 14
9 + ☐ = 16	7 + ☐ = 16	☐ + 7 = 15
11 + ☐ = 14	6 + ☐ = 14	☐ + 6 = 15

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Addition Within 20: Answer Key, Pages 1 to 4

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

Page 1

10 + 7 = 17	17 + 2 = 19	1 + 10 = 11
5 + 11 = 16	13 + 2 = 15	6 + 12 = 18
1 + 18 = 19	15 + 3 = 18	2 + 14 = 16
12 + 6 = 18	2 + 11 = 13	13 + 4 = 17
4 + 11 = 15	6 + 10 = 16	2 + 13 = 15
2 + 10 = 12	11 + 8 = 19	13 + 3 = 16

Page 2

1 + 10 = 11	13 + 2 = 15	1 + 18 = 19
2 + 13 = 15	15 + 3 = 18	2 + 11 = 13
6 + 12 = 18	17 + 2 = 19	13 + 3 = 16
2 + 10 = 12	6 + 10 = 16	10 + 7 = 17
5 + 11 = 16	13 + 4 = 17	11 + 8 = 19
12 + 6 = 18	2 + 14 = 16	4 + 11 = 15

Page 3

4 + 7 = 11	7 + 9 = 16	9 + 6 = 15
7 + 5 = 12	5 + 6 = 11	8 + 4 = 12
6 + 9 = 15	3 + 9 = 12	9 + 9 = 18
6 + 6 = 12	7 + 8 = 15	9 + 5 = 14
2 + 9 = 11	8 + 6 = 14	9 + 2 = 11
8 + 5 = 13	6 + 5 = 11	6 + 8 = 14

Page 4

6 + 6 = 12	6 + 8 = 14	3 + 9 = 12
6 + 9 = 15	9 + 9 = 18	5 + 6 = 11
7 + 5 = 12	2 + 9 = 11	9 + 6 = 15
4 + 7 = 11	8 + 4 = 12	7 + 9 = 16
8 + 5 = 13	6 + 5 = 11	8 + 6 = 14
7 + 8 = 15	9 + 5 = 14	9 + 2 = 11

Addition Within 20: Answer Key, Pages 5 to 8

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

Page 5

9 + 5 = 14	5 + 14 = 19	10 + 4 = 14
2 + 14 = 16	11 + 3 = 14	4 + 1 = 5
9 + 6 = 15	2 + 11 = 13	4 + 4 = 8
6 + 7 = 13	19 + 1 = 20	3 + 9 = 12
9 + 1 = 10	2 + 6 = 8	0 + 15 = 15
1 + 17 = 18	8 + 7 = 15	7 + 9 = 16

Page 6

5 + 14 = 19	3 + 9 = 12	2 + 11 = 13
2 + 14 = 16	4 + 4 = 8	11 + 3 = 14
19 + 1 = 20	8 + 7 = 15	7 + 9 = 16
1 + 17 = 18	6 + 7 = 13	9 + 6 = 15
4 + 1 = 5	10 + 4 = 14	9 + 1 = 10
0 + 15 = 15	2 + 6 = 8	9 + 5 = 14

Page 7

9 + 9 = 18	5 + 6 = 11	6 + 8 = 14
6 + 8 = 14	7 + 12 = 19	9 + 6 = 15
6 + 5 = 11	7 + 9 = 16	11 + 3 = 14
8 + 12 = 20	4 + 7 = 11	8 + 7 = 15
9 + 5 = 14	8 + 10 = 18	9 + 5 = 14
7 + 8 = 15	2 + 9 = 11	9 + 7 = 16

Page 8

7 + 8 = 15	6 + 5 = 11	9 + 9 = 18
5 + 6 = 11	4 + 7 = 11	8 + 10 = 18
6 + 8 = 14	9 + 5 = 14	7 + 12 = 19
2 + 9 = 11	8 + 12 = 20	9 + 5 = 14
9 + 7 = 16	7 + 9 = 16	8 + 7 = 15
11 + 3 = 14	6 + 8 = 14	9 + 6 = 15

For Grown-Ups: How to Use These Worksheets

For first and second grade. Each activity has two pages, the same facts in a new order.

Why use it

First graders learn to add within 20, and second graders to know these sums from memory (Common Core 1.OA.C.6 and 2.OA.B.2). The hardest facts cross ten, such as 8 + 5, where the ones make more than ten. Schools teach a strategy for those first, such as making ten, so they have their own pages here.

What it is good for

- Teen sums that do not cross ten, such as 12 + 5.
- Facts that cross ten, such as 7 + 6.
- The missing number, such as 8 plus what makes 13.

How to use it

1. Start with pages 1 and 2: add the ones, and the ten stays.
2. On pages 3 and 4, ask how your child got each answer. Making ten and doubles are both good ways.
3. On the missing number pages, ask what to add to get to the total.
4. Check with the answer key. Each red number sits where your child writes it.

> **Try saying:** “8 + 5. How many does 8 need to make 10? Then how many are left?”

Tip: If crossing ten is slow, go back to the make ten worksheets for a week, then try again.