

MATH FACTS • GRADES K-2

Subtraction Flash Cards

0-12

Fold-over • no duplex printer needed • all 169 facts

One-sided. Cut out each card, fold it in half, and the answer is on the back — no double-sided printing needed.

169

cards

47

pages

4

per page

3.5 × 2.5 in

card size

Aligned to **CCSS 1.OA.C.6, 2.OA.B.2**. What that covers, and what it does not, is on page 2.



This bar is exactly 1 inch. If it is not, the printer scaled the page — set printing to **100% / Actual size**, not “Fit to page”.

More free printable worksheets at

whatistheurl.com

HOW TO PRINT

- **Print at 100% / Actual size.** “Fit to page” shrinks the sheet by about 6%, and the cards stop fitting the box or sleeve they were sized for. Check the inch bar on the cover.
- **Card stock, 65–110 lb (176–300 gsm),** if you have it. Plain paper works, but you can read a fact through the back of it, which defeats the card.
- **Single-sided.** Nothing in this file needs a duplex printer, and nothing has to line up with anything on the other side of the paper.

CUTTING THEM OUT

- The cut lines run to the edge of the paper, so a **paper trimmer takes a whole row in one pass.** Stack four or five sheets and cut them together.
- Trim the outside margins off first, then the rows, then the columns.
- Nothing printed sits within **1/8 inch** of a cut line, so a slightly crooked cut still leaves every digit whole.
- Each cell is **one card printed twice.** Cut on the solid lines, then fold **backwards** on the dashed line — the answer, printed upside down, comes up the right way round on the back.

STANDARDS

CCSS 1.OA.C.6

CCSS 2.OA.B.2

Add and subtract within 20; know from memory all sums of two one-digit numbers.

Beyond Common Core

2.OA.B.2 is **all sums of two one-digit numbers**, so the 10, 11 and 12 facts in this deck sit outside it. They are here because most US classrooms still drill them — but they are long-standing practice, not a Common Core requirement, and nothing on this page claims otherwise.

FIVE WAYS TO USE THEM

- **Sort into three piles** — knew it instantly, worked it out, no idea. Then only drill the third pile. Ten minutes on eight cards beats an hour on a hundred and sixty-nine, and a deck that is mostly unknown stops being practice and becomes a test.
- **Beat the clock.** Time one pass through a pile, write the time on a sticky note, try to beat it tomorrow. The child competes with yesterday, not with the class.
- **Turn one over.** Show the answer and ask for a fact that makes it. There is always more than one, and finding the second is where the thinking is.
- **Two-player war.** Both players flip a card; whoever answers first keeps the pair. Uneven pairs are fine — the faster child gets the harder pile.
- **Ten on a ring.** Punch a corner, put this week's ten facts on a binder ring, keep it in a bag. Swap one out each time it gets easy.

KEEPING THEM

- A **3×5 index-card box** with the A-Z dividers relabelled +0, +1, +2 and so on keeps a whole deck sorted by family.
- A **zip bag per family**, hole-punched into a folder, survives a school bag better than anything else.

IF A CHILD IS STUCK

- Cut the deck down to the eight facts they actually miss.
- Say the whole sentence out loud — “seven plus eight is fifteen” — not just the answer. The sentence is what gets remembered.
- Read the cards answer-first for a week before asking for recall. Recognising comes before retrieving, and starting with retrieval is what teaches a child they are bad at maths.

WHAT IS ON EACH SHEET

The sheets run in fact-family order, so a child can work through one family at a time rather than meeting all of them at once.

Sheet 1	0 – 0 to 3 – 3	Sheet 23	16 – 10 to 7 – 0
Sheet 2	4 – 4 to 7 – 7	Sheet 24	8 – 1 to 11 – 4
Sheet 3	8 – 8 to 11 – 11	Sheet 25	12 – 5 to 15 – 8
Sheet 4	12 – 12 to 3 – 2	Sheet 26	16 – 9 to 19 – 12
Sheet 5	4 – 3 to 7 – 6	Sheet 27	8 – 0 to 11 – 3
Sheet 6	8 – 7 to 11 – 10	Sheet 28	12 – 4 to 15 – 7
Sheet 7	12 – 11 to 3 – 1	Sheet 29	16 – 8 to 19 – 11
Sheet 8	4 – 2 to 7 – 5	Sheet 30	20 – 12 to 11 – 2
Sheet 9	8 – 6 to 11 – 9	Sheet 31	12 – 3 to 15 – 6
Sheet 10	12 – 10 to 3 – 0	Sheet 32	16 – 7 to 19 – 10
Sheet 11	4 – 1 to 7 – 4	Sheet 33	20 – 11 to 11 – 1
Sheet 12	8 – 5 to 11 – 8	Sheet 34	12 – 2 to 15 – 5
Sheet 13	12 – 9 to 15 – 12	Sheet 35	16 – 6 to 19 – 9
Sheet 14	4 – 0 to 7 – 3	Sheet 36	20 – 10 to 11 – 0
Sheet 15	8 – 4 to 11 – 7	Sheet 37	12 – 1 to 15 – 4
Sheet 16	12 – 8 to 15 – 11	Sheet 38	16 – 5 to 19 – 8
Sheet 17	16 – 12 to 7 – 2	Sheet 39	20 – 9 to 23 – 12
Sheet 18	8 – 3 to 11 – 6	Sheet 40	12 – 0 to 15 – 3
Sheet 19	12 – 7 to 15 – 10	Sheet 41	16 – 4 to 19 – 7
Sheet 20	16 – 11 to 7 – 1	Sheet 42	20 – 8 to 23 – 11
Sheet 21	8 – 2 to 11 – 5	Sheet 43	24 – 12 to 24 – 12
Sheet 22	12 – 6 to 15 – 9		

THE WHOLE TABLE

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

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FOLD

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$$1 - 1$$

FOLD

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$$2 - 2$$

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$$3 - 3$$

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$$4 - 4$$

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$$5 - 5$$

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$$6 - 6$$

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$$7 - 7$$

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$$8 - 8$$

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$$9 - 9$$

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$$3 - 1$$

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