

MATH FACTS • GRADES K-2

# Addition Flash Cards 0-12

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

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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](http://whatistheurl.com)**

## HOW TO PRINT

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- **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

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- 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

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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

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- **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

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- 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

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

## 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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$$0 + 1$$

FOLD

1

$$0 + 2$$

FOLD

2

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FOLD

3

$$0 + 4$$

FOLD

4

$$0 + 5$$

FOLD

5

$$0 + 6$$

FOLD

6

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10

$$0 + 11$$

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11

$$0 + 12$$

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$$1 + 0$$

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