

MATH FACTS • GRADES K-2

Addition Fact Family Triangles

0-12 • cover a corner

Three numbers, one family. Cover a corner and say the number that is hidden — the same triangle drills the operation and its inverse.

91

cards

20

pages

6

per page

3.5 × 3.5 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”.

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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.

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

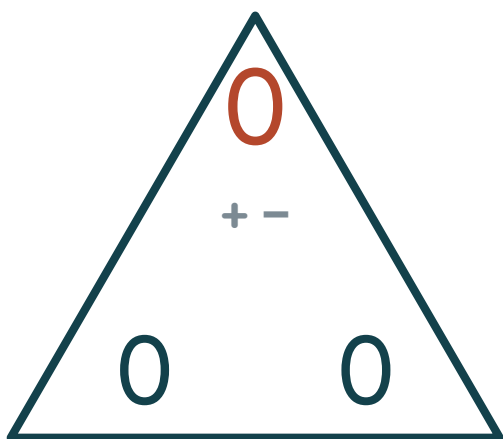
The sheets run in fact-family order, so a child can work through one family at a time rather than meeting all of them at once.

Sheet 1	0, 0 to 0, 5	Sheet 9	4, 6 to 4, 11
Sheet 2	0, 6 to 0, 11	Sheet 10	4, 12 to 5, 9
Sheet 3	0, 12 to 1, 5	Sheet 11	5, 10 to 6, 8
Sheet 4	1, 6 to 1, 11	Sheet 12	6, 9 to 7, 8
Sheet 5	1, 12 to 2, 6	Sheet 13	7, 9 to 8, 9
Sheet 6	2, 7 to 2, 12	Sheet 14	8, 10 to 9, 11
Sheet 7	3, 3 to 3, 8	Sheet 15	9, 12 to 11, 12
Sheet 8	3, 9 to 4, 5	Sheet 16	12, 12 to 12, 12

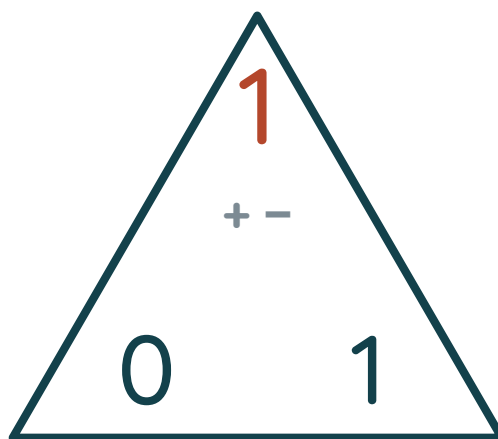
THE WHOLE TABLE

+	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
6	6	7	8	9	10	11	12	13	14	15	16	17	18
7	7	8	9	10	11	12	13	14	15	16	17	18	19
8	8	9	10	11	12	13	14	15	16	17	18	19	20
9	9	10	11	12	13	14	15	16	17	18	19	20	21
10	10	11	12	13	14	15	16	17	18	19	20	21	22
11	11	12	13	14	15	16	17	18	19	20	21	22	23
12	12	13	14	15	16	17	18	19	20	21	22	23	24

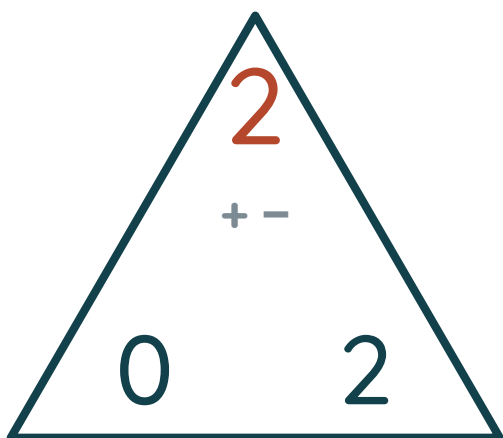
The diagonal is the doubles — the facts children learn first and fastest.



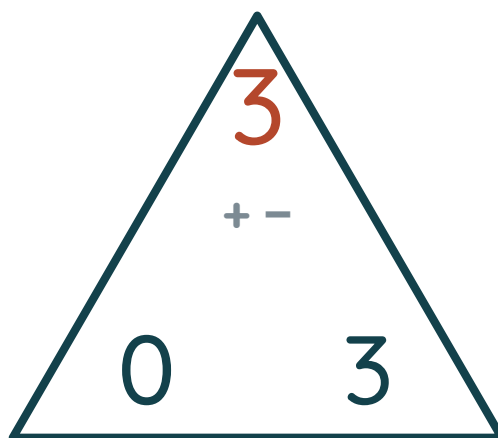
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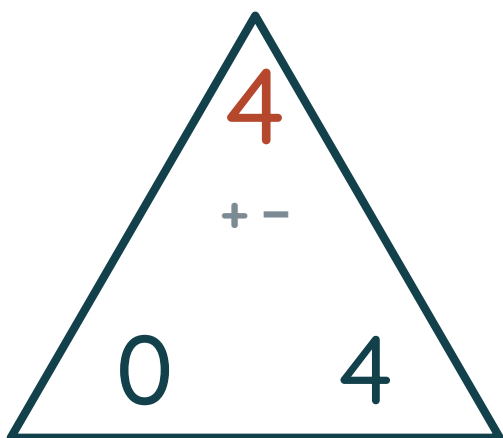
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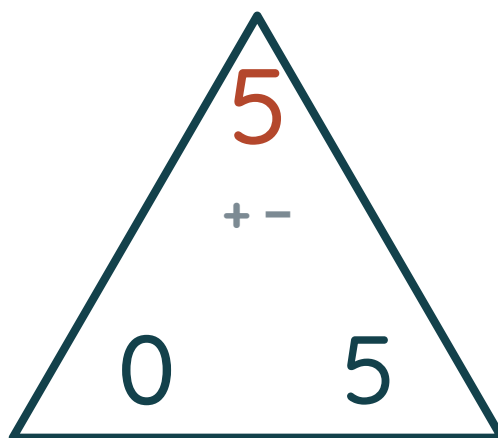
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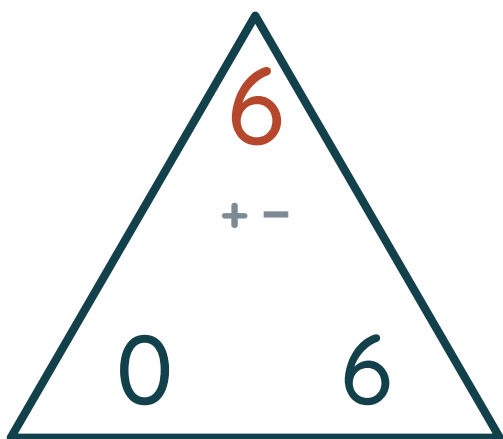
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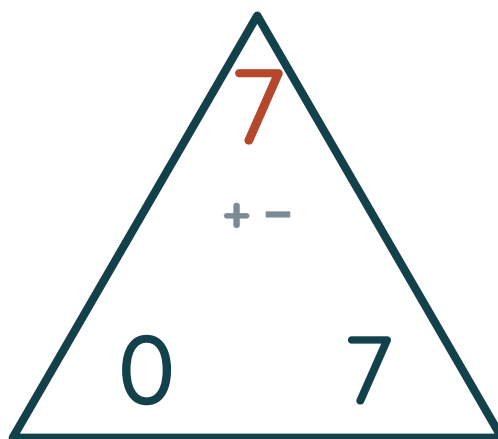
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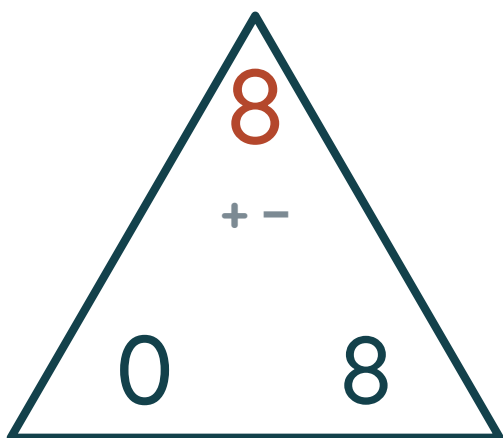
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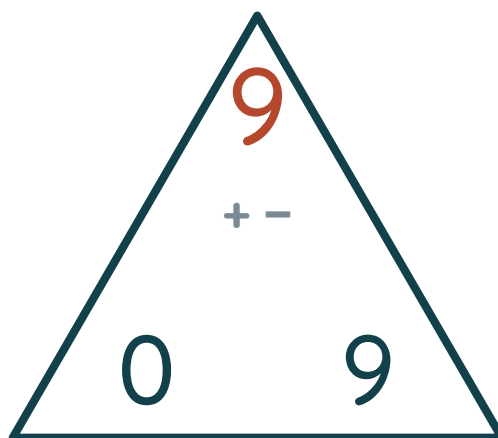
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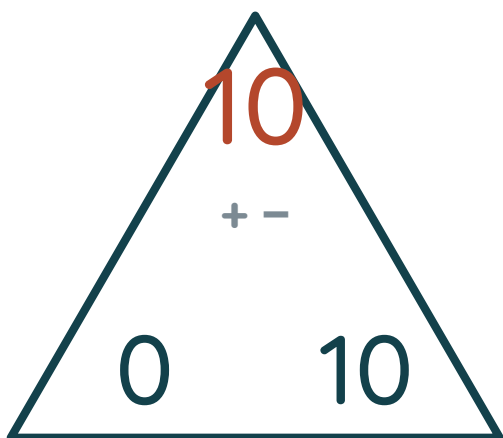
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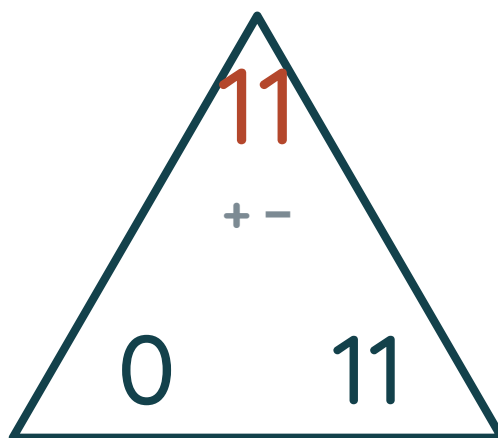
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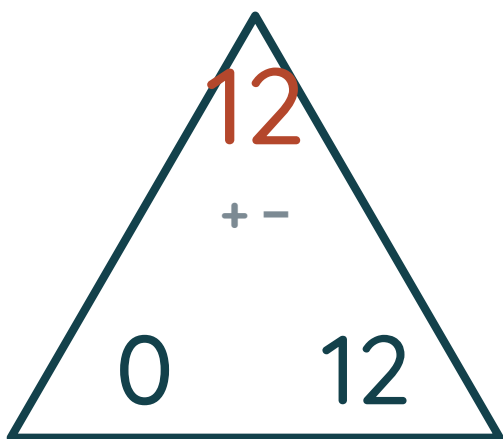
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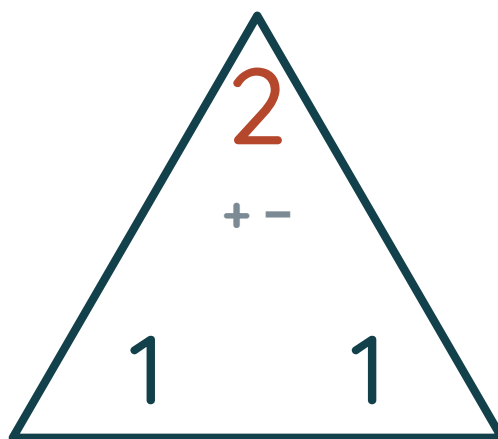
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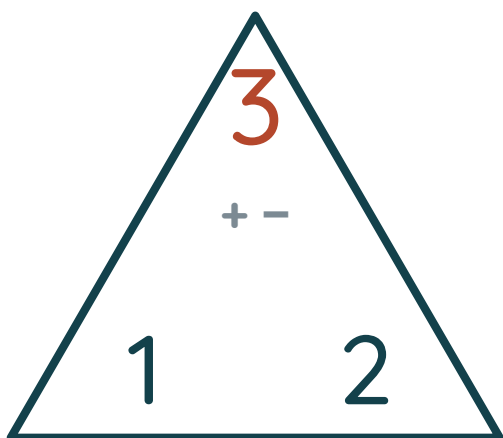
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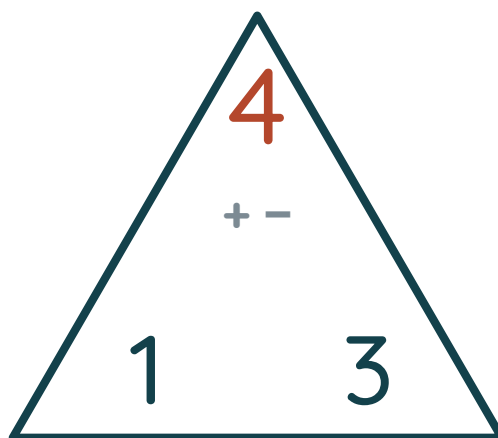
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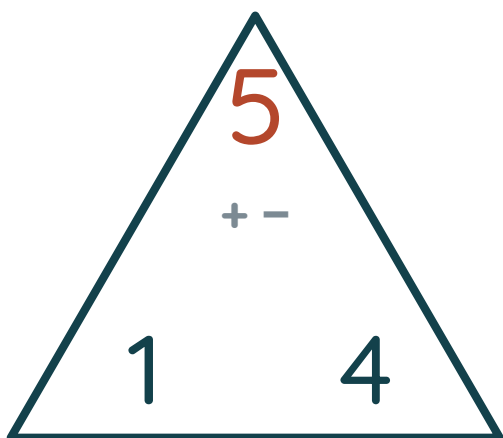
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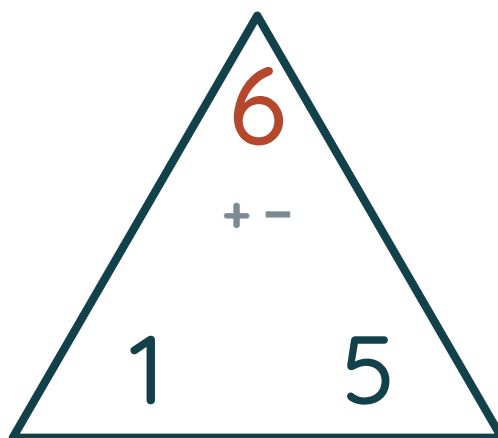
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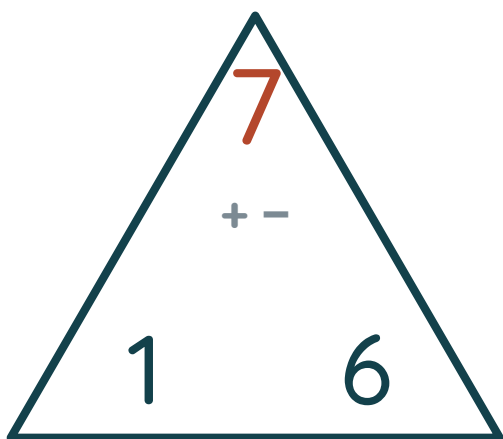
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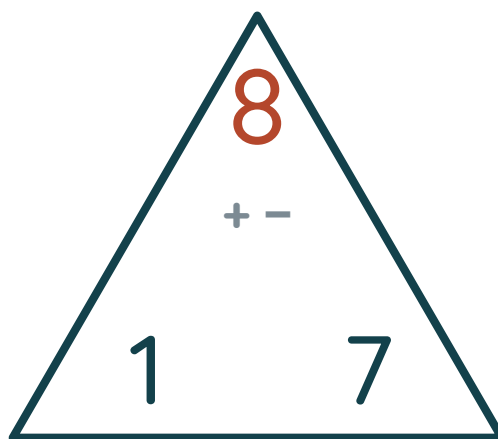
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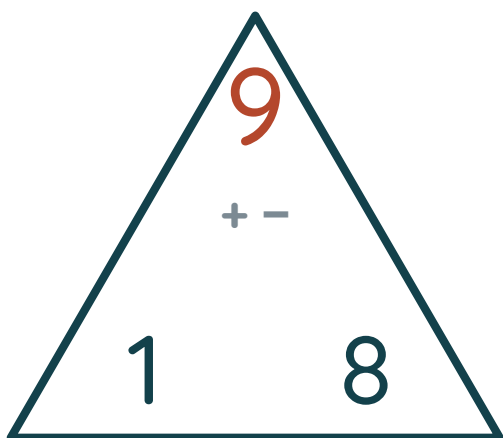
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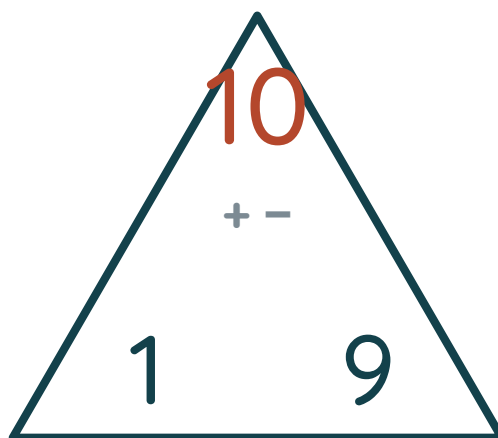
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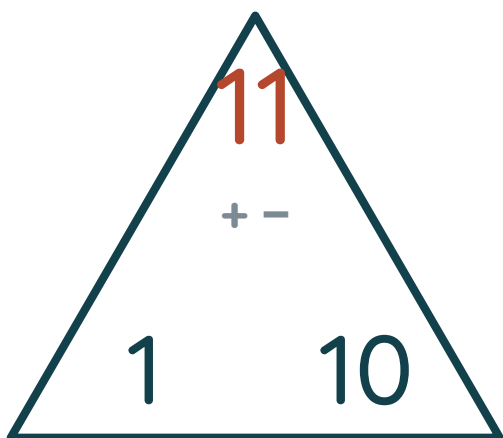
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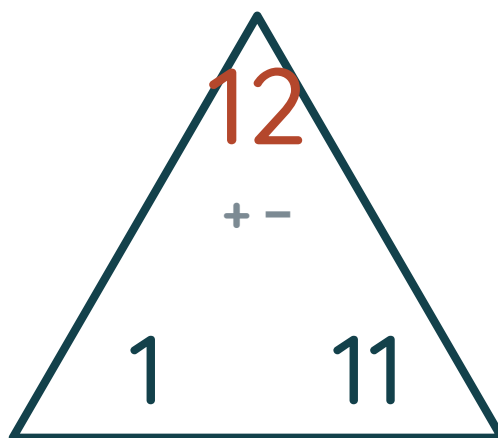
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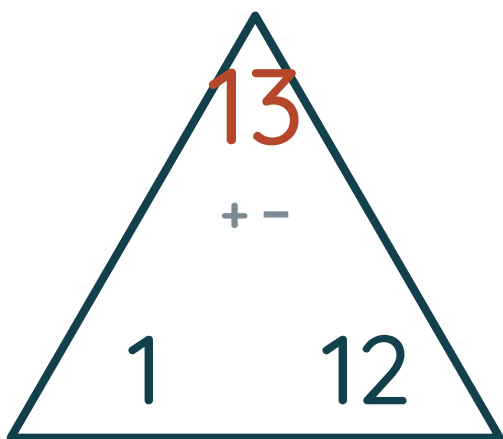
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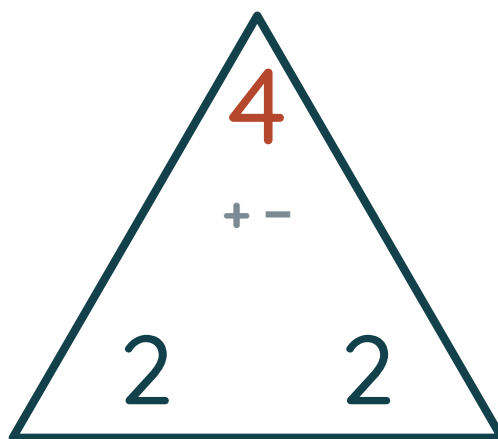
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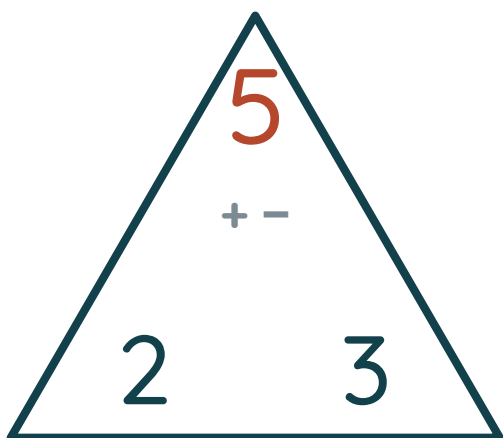
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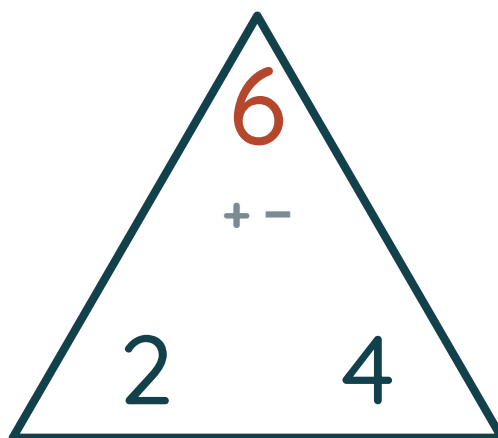
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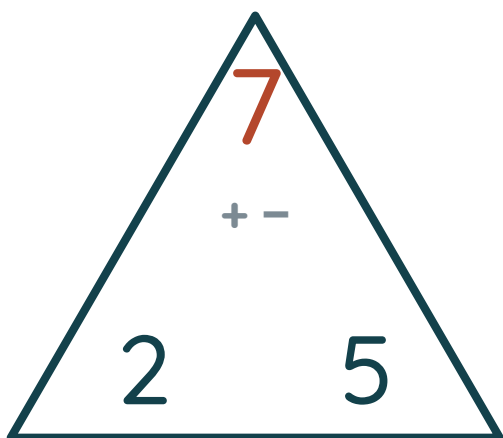
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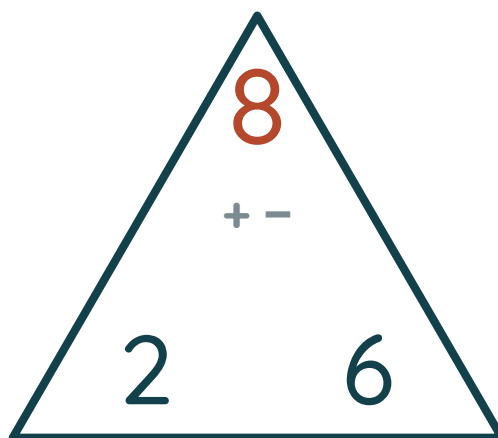
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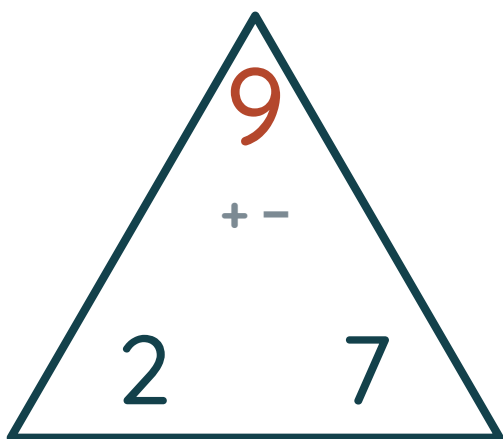
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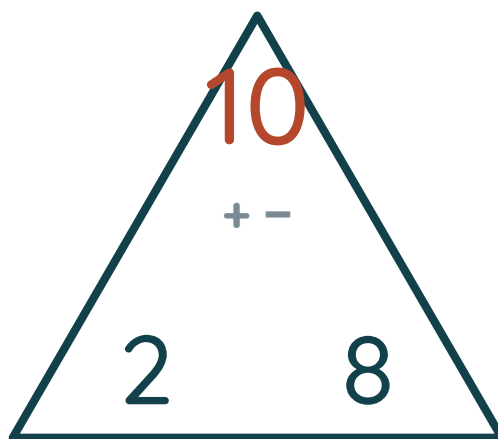
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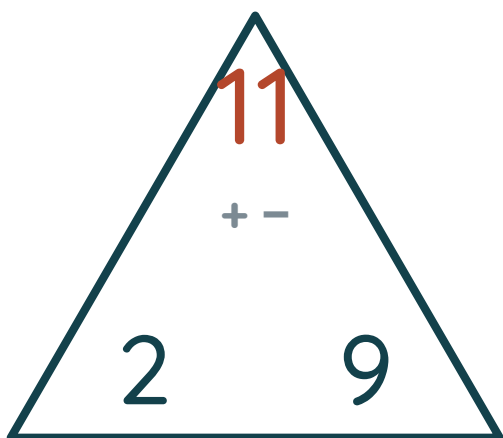
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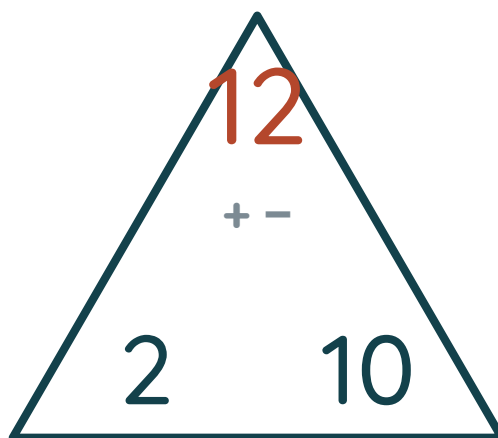
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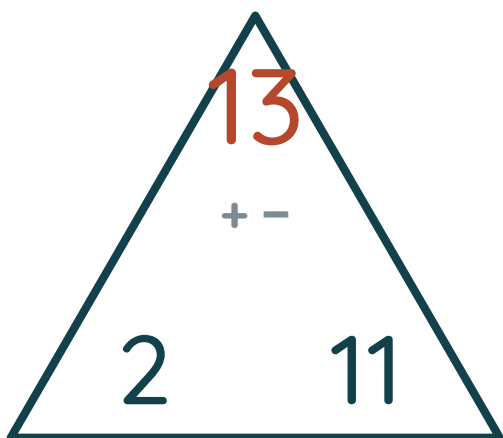
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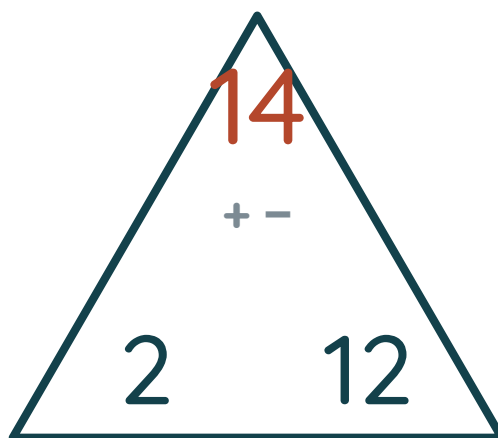
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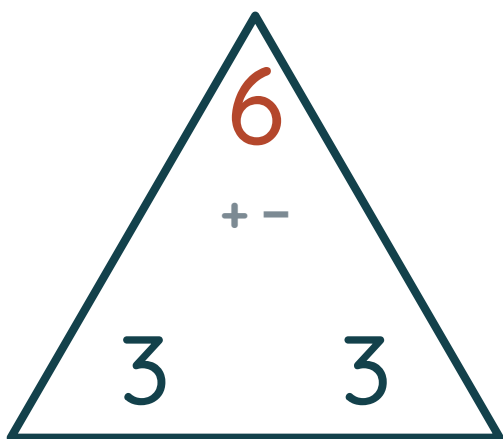
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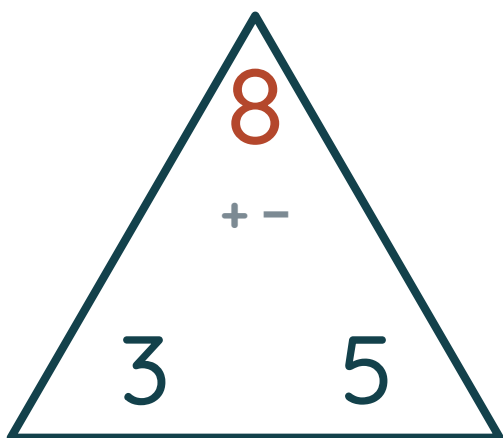
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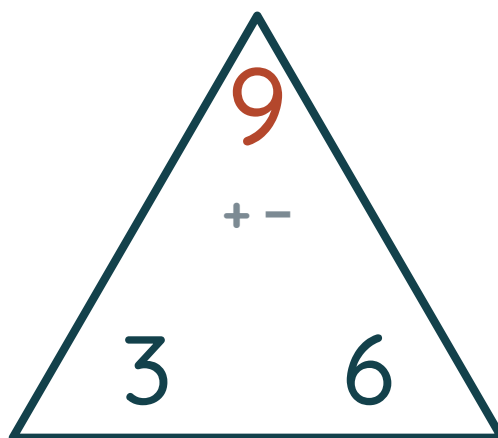
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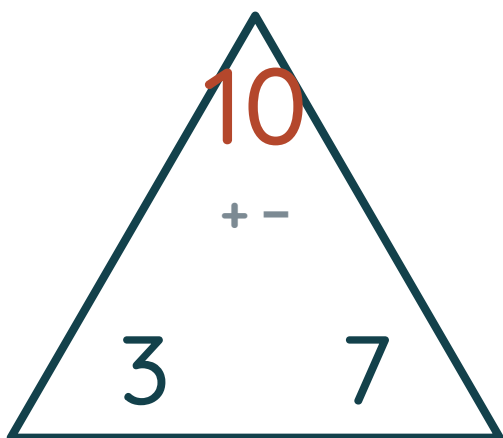
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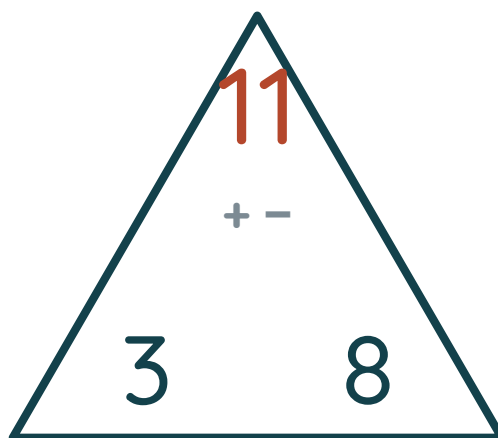
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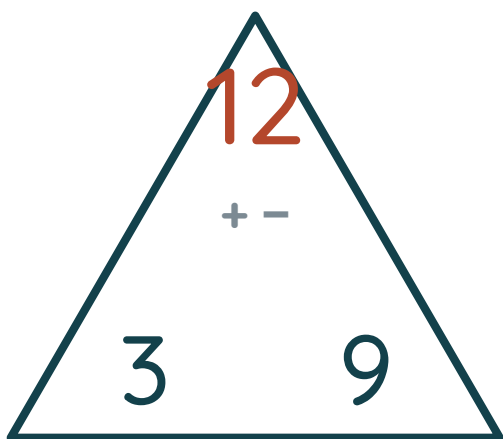
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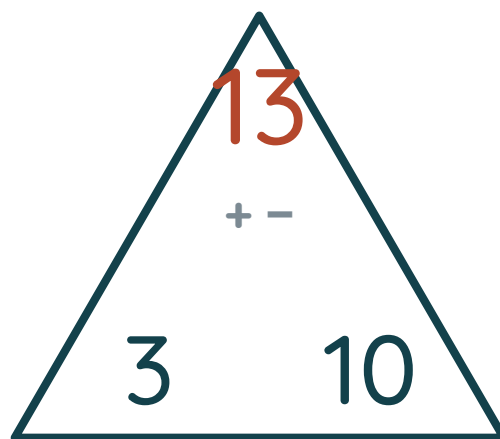
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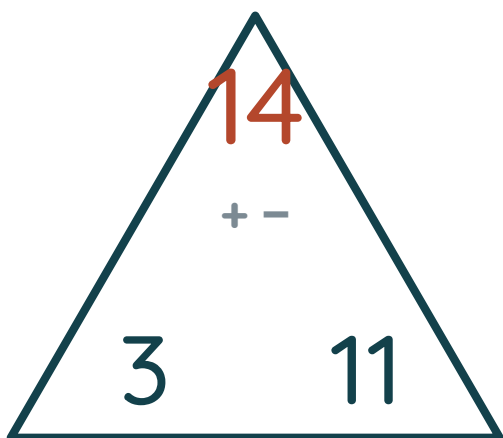
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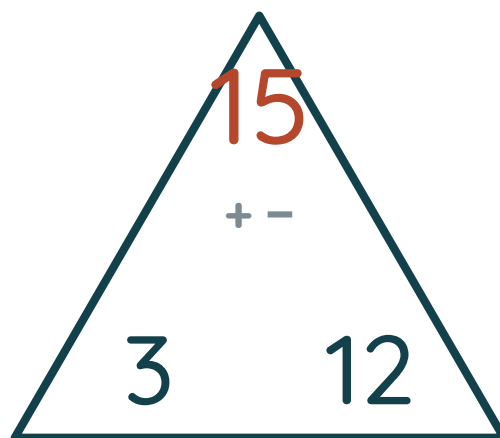
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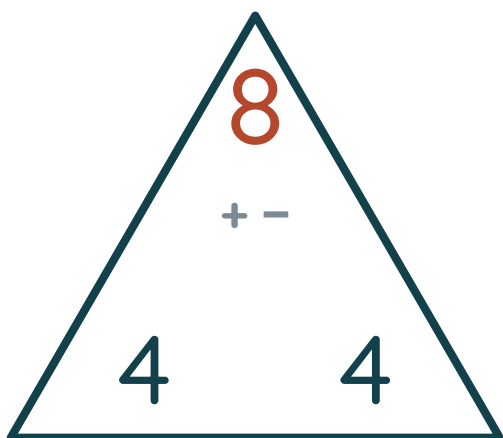
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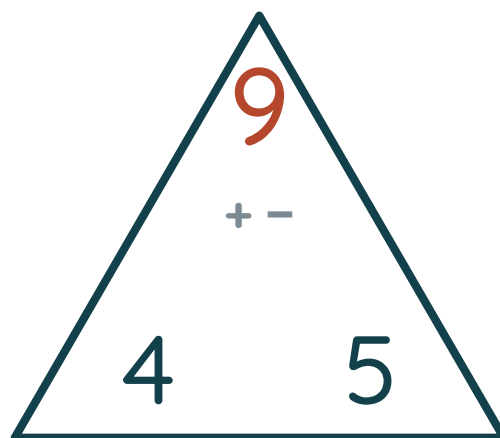
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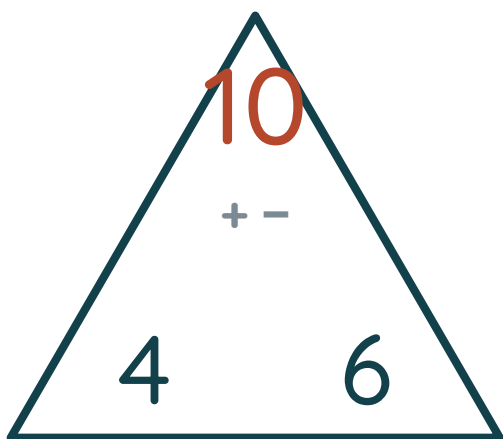
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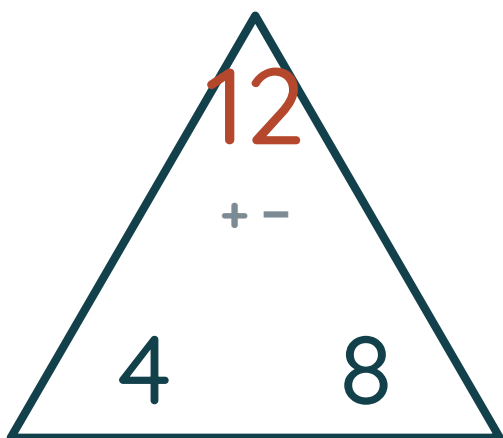
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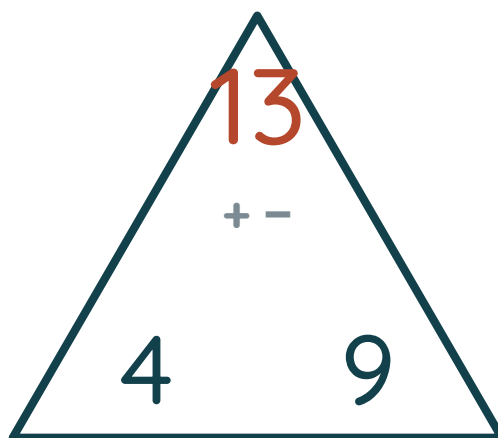
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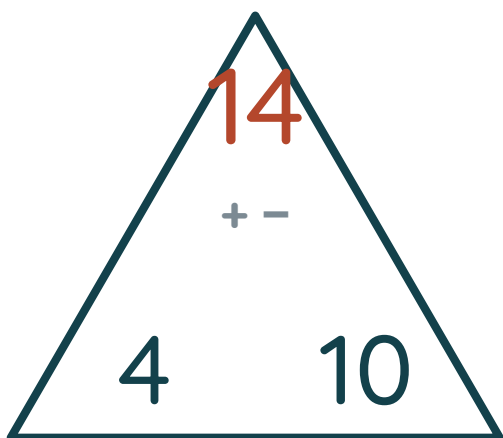
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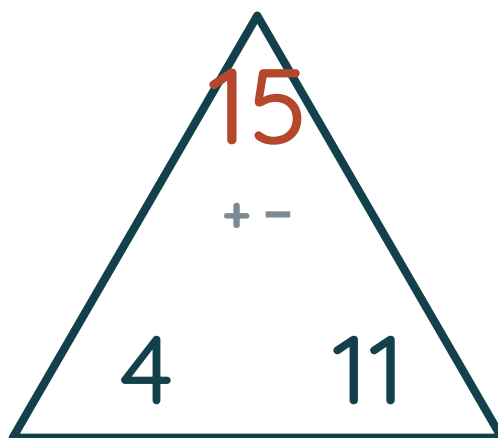
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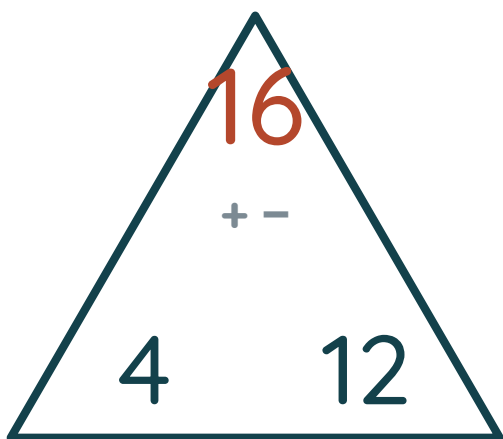
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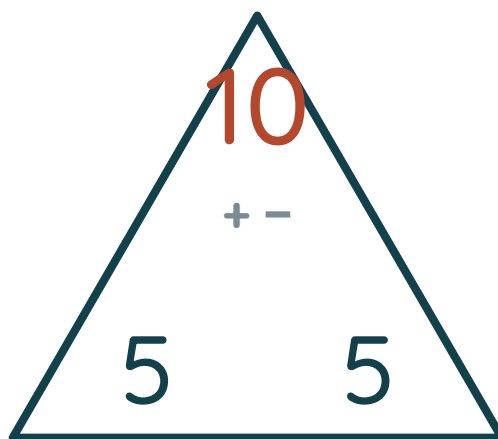
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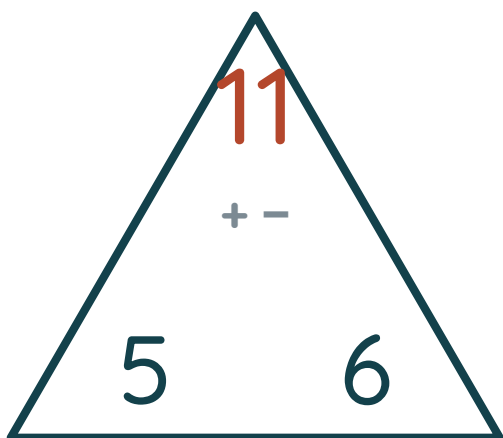
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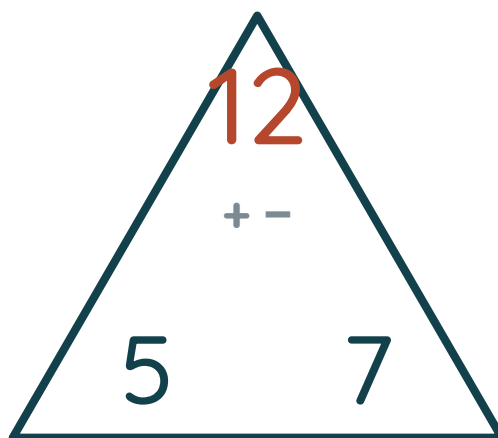
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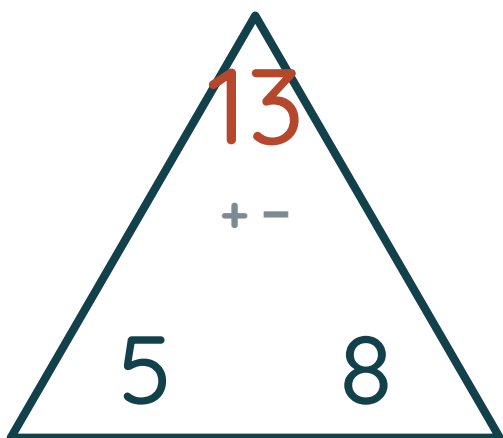
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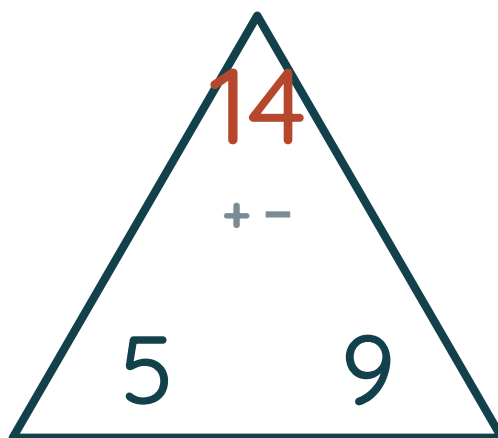
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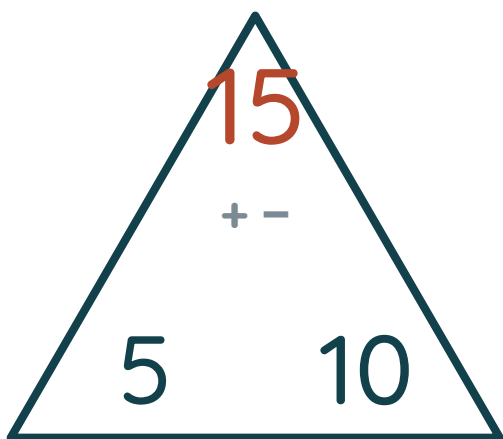
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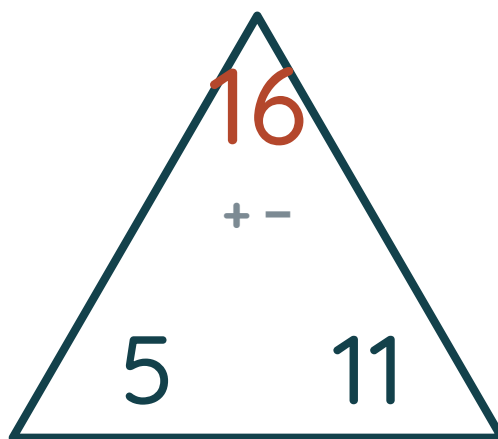
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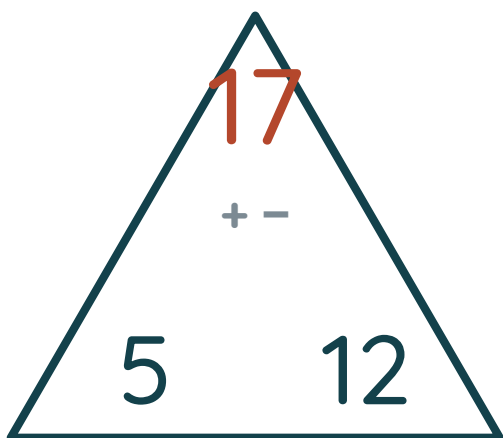
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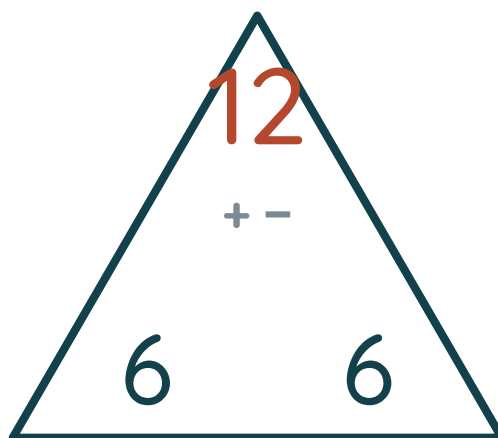
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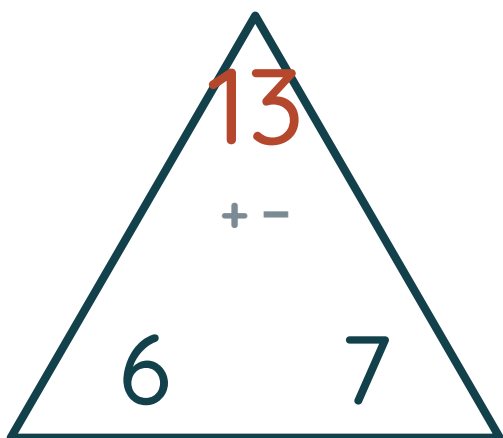
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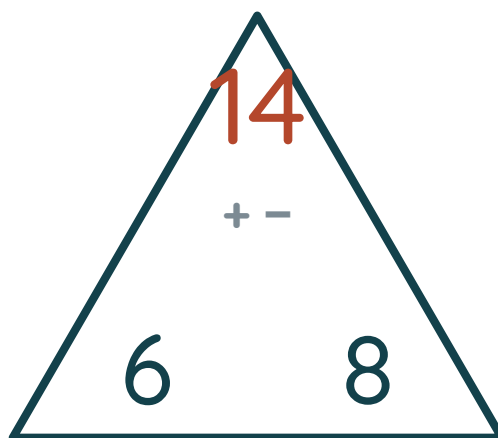
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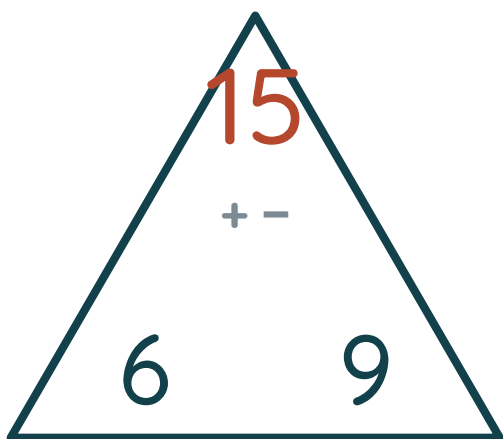
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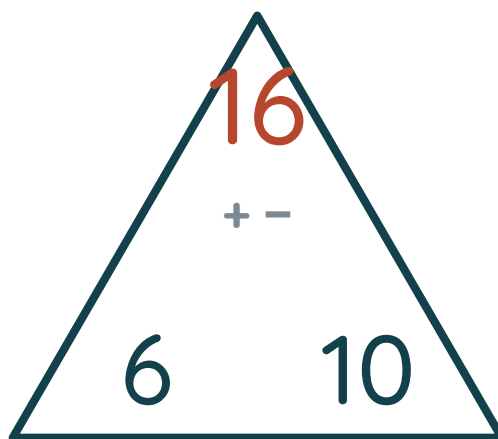
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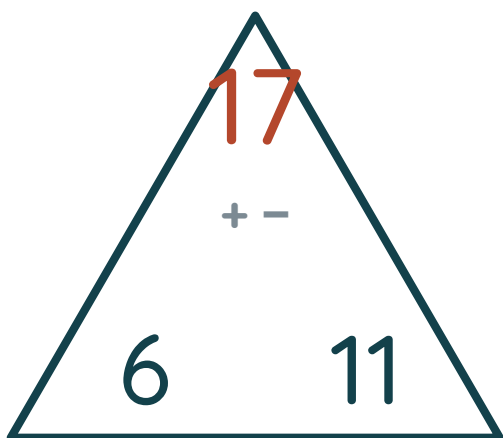
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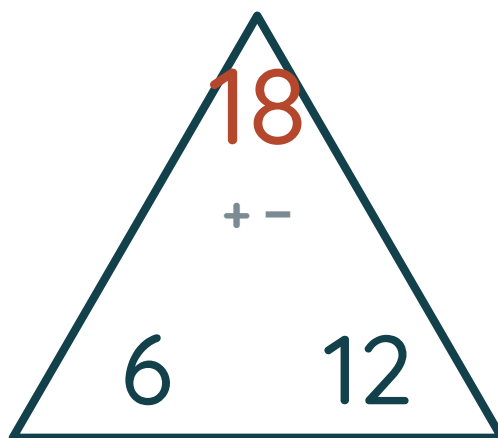
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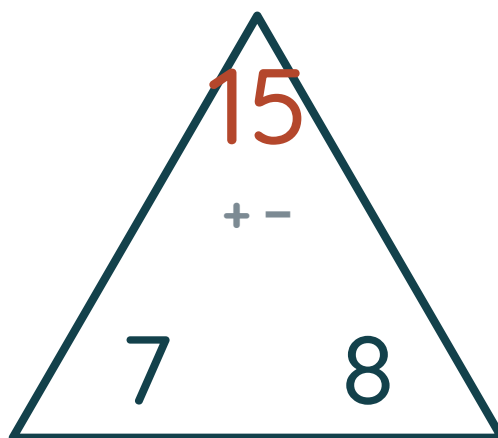
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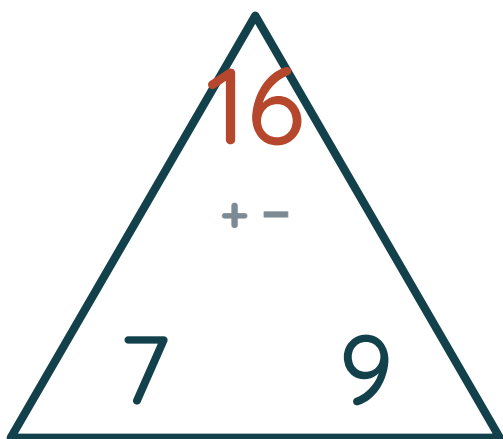
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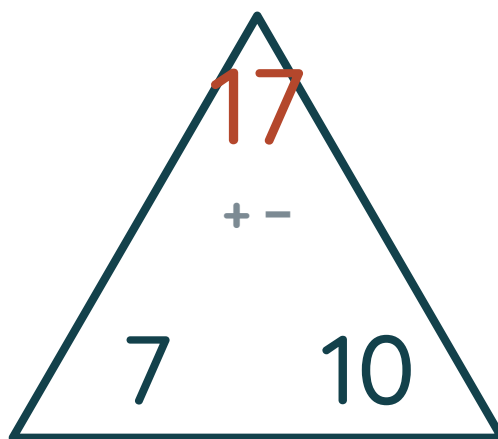
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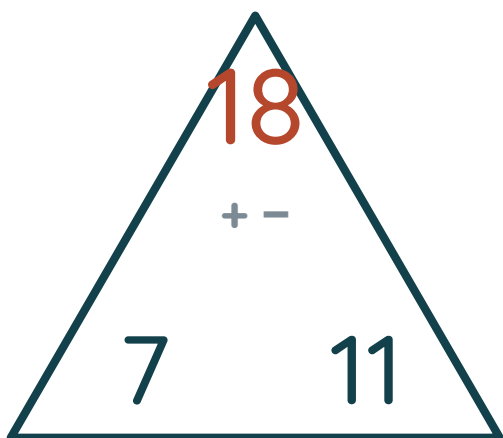
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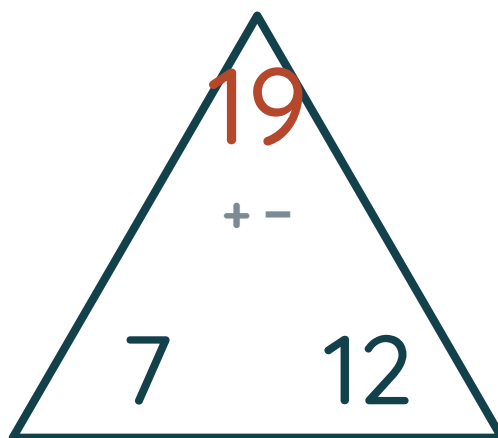
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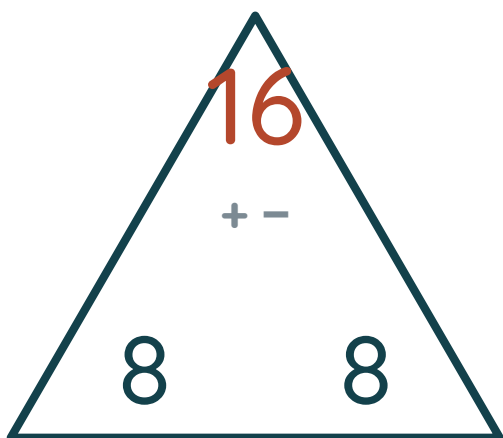
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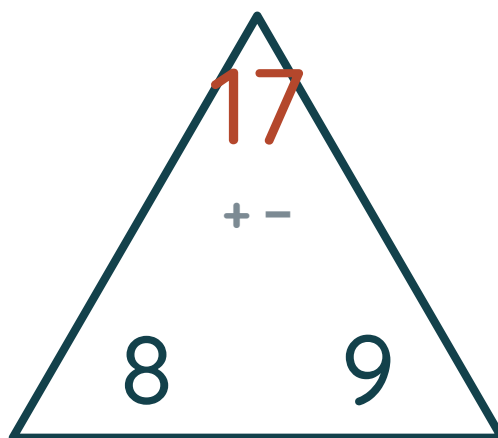
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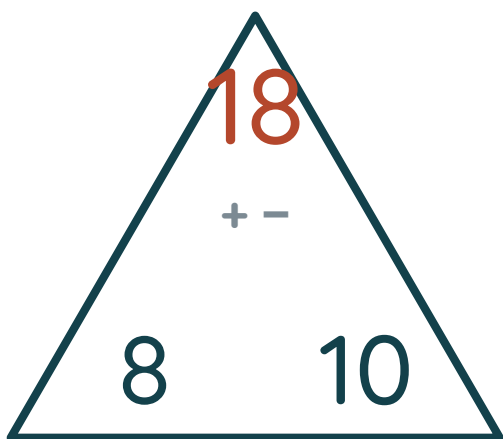
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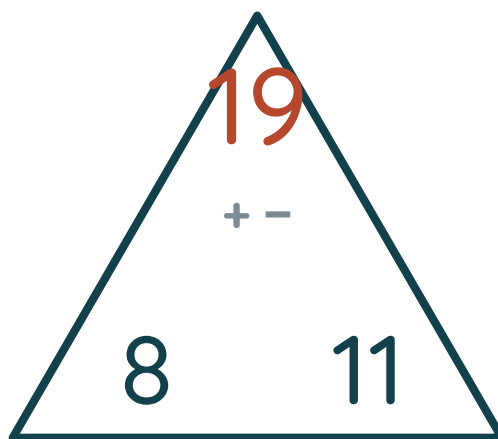
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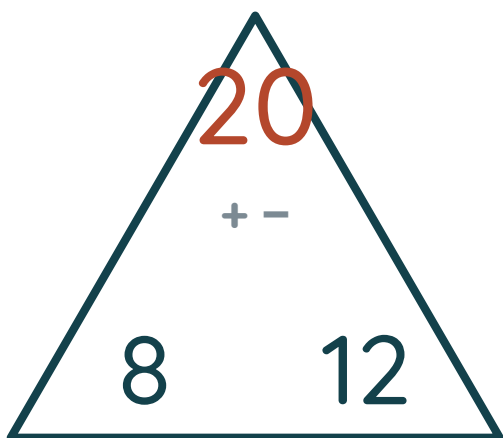
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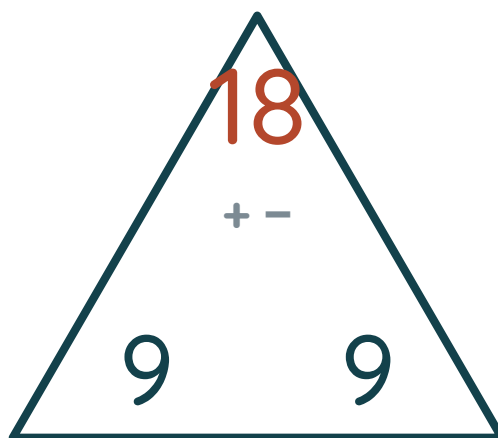
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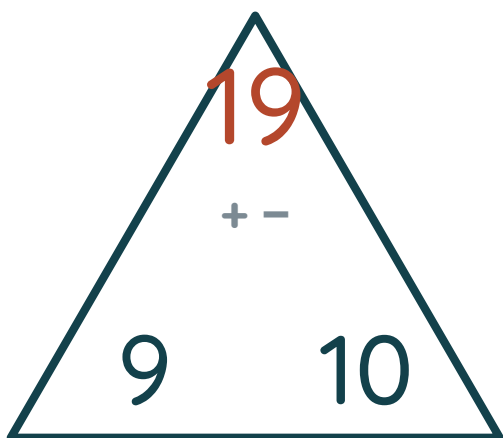
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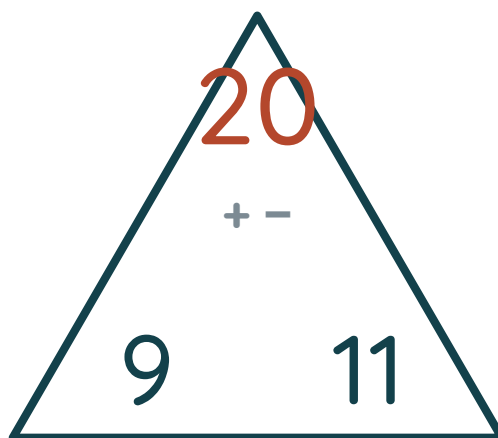
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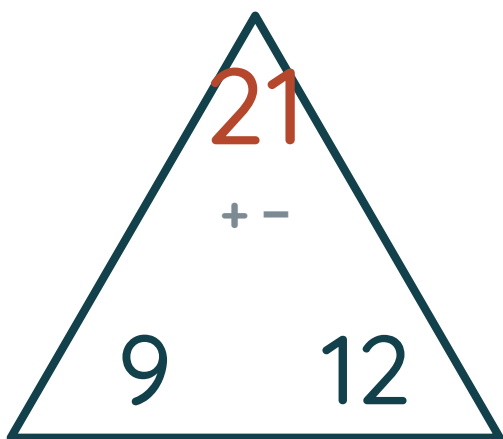
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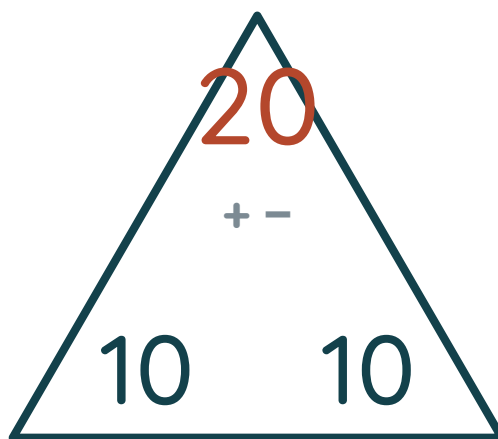
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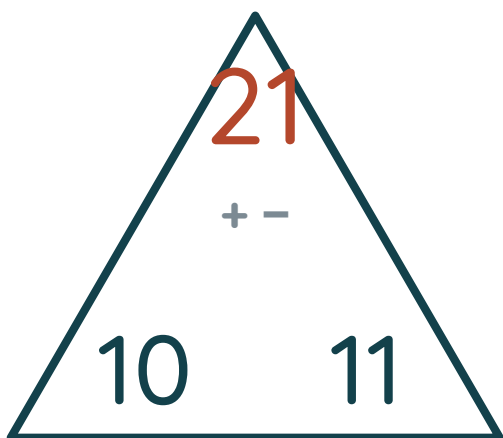
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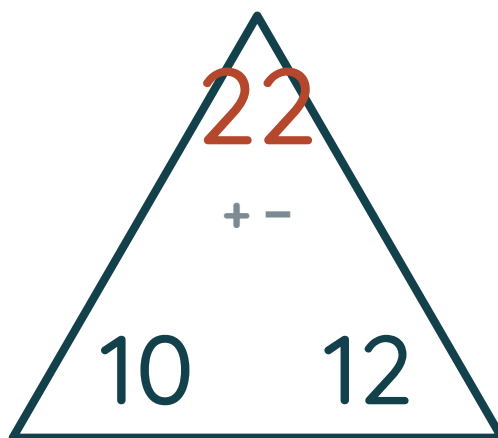
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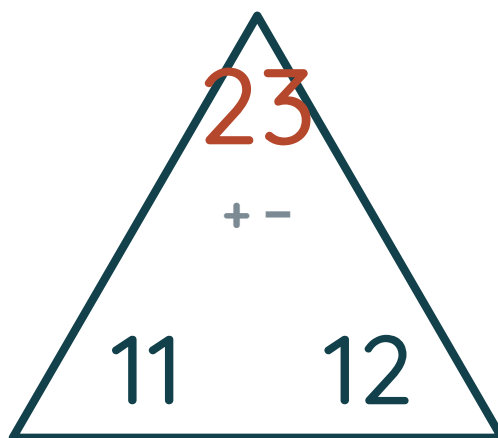
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