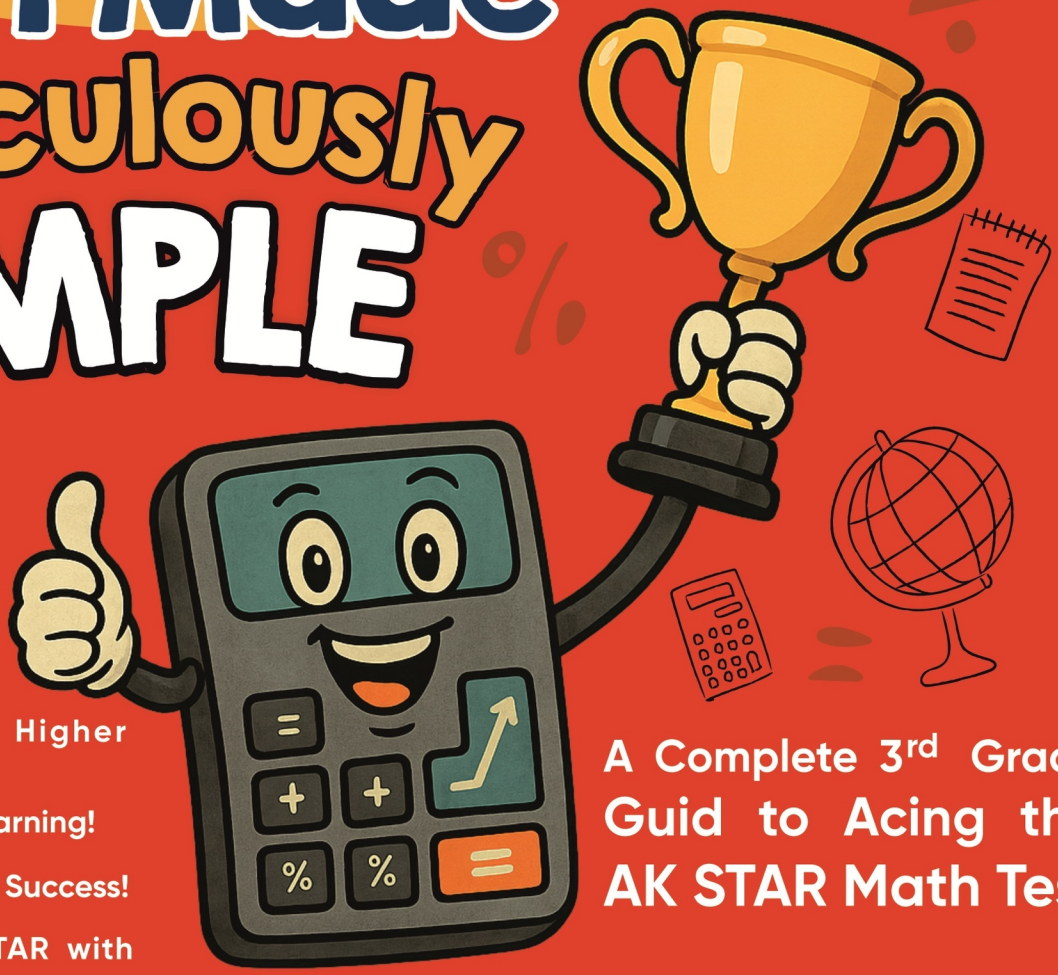
Alaska AK STAR Grade 3 Math Made Ridiculously SIMPLE



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- Your Shortcut to Math Success!
- Conquer the AK STAR with

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With Professor Owl!

Reza Nazari

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Published by Effortless Math Education

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- ✓ Feel proud of your math skills!



"You're going to be AMAZING!"



Find secrets! Scan here!

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Tips for Success

Here are some tips to help you do your best!

Tip 1: Find a Quiet Place

Find a quiet spot to study. Turn off the TV. Put away toys. This helps your brain focus on math!

Tip 2: Take Your Time

Do not rush! Read each problem carefully. Think before you write. Speed comes with practice.

Tip 3: Show Your Work

Always write down your steps. This helps you find mistakes. It also helps you remember what to do next time!

Tip 4: Ask for Help

If you are stuck, ask a parent, teacher, or friend for help. Asking questions is a great way to learn!

Tip 5: Practice Every Day

A little practice every day is better than a lot of practice once a week. Even 15 minutes a day makes a big difference!

Tip 6: Believe in Yourself

You can do this! Every math problem you solve makes you smarter. Believe in yourself and keep trying!



You are capable of GREAT THINGS!





Why You Can Do This:

- ★ **You have the power** to learn anything!
- ★ **Every student** starts at the beginning
- ★ **Practice makes you stronger** every day
- ★ **You're braver** than you think!



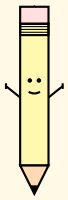
"Let's do this together!"



Epic math!
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Pip & Professor Owl's Math-Parts Chant



Pip

Chant it to remember!

Addition	*Addend + addend — add them up:* ***SUM****.*
Subtraction	*Minuend minus subtrahend — you find the* ***DIFFERENCE****.*
Multiplication	*Factor times factor — the answer is the* ***PRODUCT****.*
Division	*Dividend divided by divisor — your* ***QUOTIENT*** *pops out.*

Chorus (clap-clap): *Know the parts, read it smart — math gets easier right from the start!*



Professor Owl



Unbelievable! Scan it!

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Number Chart 1–100

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Using the Number Chart

Patterns to Notice:

- Numbers in each **row** increase by 1
- Numbers in each **column** increase by 10
- **Diagonal** patterns show adding 11 or 9

Use It For:

- Counting forward and backward
- Skip counting (by 2s, 5s, 10s)
- Finding even and odd numbers
- Adding and subtracting

Skip Counting Patterns

Count by 2s: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30...

Count by 5s: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70...

Count by 10s: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100...

Multiplication Table

×	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

How to Use This Table

To find **4** × **7**:

1. Find **4** in the left column
2. Find **7** in the top row
3. Where the row and column meet is the answer: **28**



Tip: Memorize these facts! The more you practice, the faster you will know them by heart.



Subtract worry!
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