

MATH SKETCH NOTES

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These 4th-grade math sketch notes (AKA doodle pages) are a powerful learning and teaching tool. They cover essential math concepts and procedures for students in a visually appealing way. You can use this resource to supplement any math curriculum, and they are perfect for previewing/pre-teaching or reviewing/reinforcing.

These sketch pages are like mini anchor charts that your students actively create and can be referred to in the future.

WHAT'S INCLUDED:

- Blank student note page
(two sizes: 8.5 x 11 & composition notebook size for INBs)
- Detailed answer key
- Step-by-step PowerPoint

GUIDED NOTE-TAKING

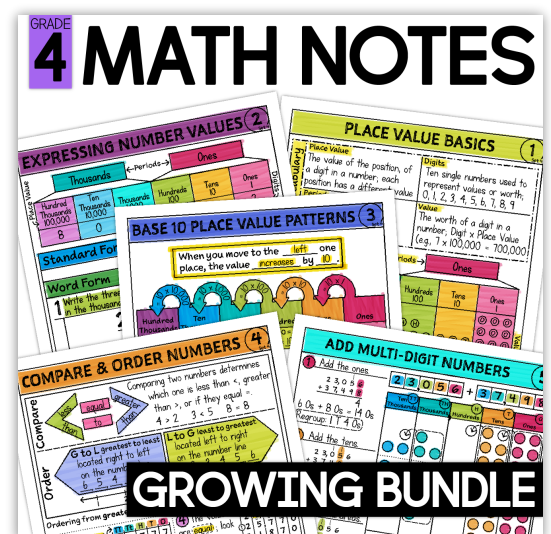
Guiding your students through the note-taking process is so easy and requires almost zero preparation!

1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

WHY SKETCH?

Sketch notes present your students with a meaningful and engaging activity they will love. Doodle note-taking activates verbal and visual modalities to capture concepts. The whole brain is absorbed in hearing, synthesizing, and retaining ideas. This high level of engagement helps students retain the content and leaves little room for distraction.

GET THE BUNDLE!!!



MATH NOTES

MULTIPLICATION FACTS 0-12

10
Set 4

0 It's always 0
 $0 \times 7 = 0$

1 It's always the number
 $1 \times 9 = 9$

2 Double it
 $2 \times 4 \rightarrow 4 + 4 = 8$

3 Double it & add a group
 $3 \times 6 \rightarrow 6 + 6 = 12$
 $\rightarrow 12 + 6 = 18$

4 Double, double
 $4 \times 7 \rightarrow 7 + 7 = 14$
 $\rightarrow 14 + 14 = 28$

5 Count by 5s as many times
 $5 \times 6 \rightarrow 5, 10, 15, 20, 25, 30$

6 Multiply by 5 & add a group
 $6 \times 4 \rightarrow 5, 10, 15, 20$
 $\rightarrow 20 + 4 = 24$

7 Multiply by 5 & add a double
 $7 \times 6 \rightarrow 5, 10, 15, 20, 25, 30$
 $\rightarrow 30 + 12 = 42$

8 Double, double, double
 $8 \times 7 \rightarrow 7 + 7 = 14$
 $\rightarrow 14 + 14 = 28 \rightarrow 28 + 28 = 56$

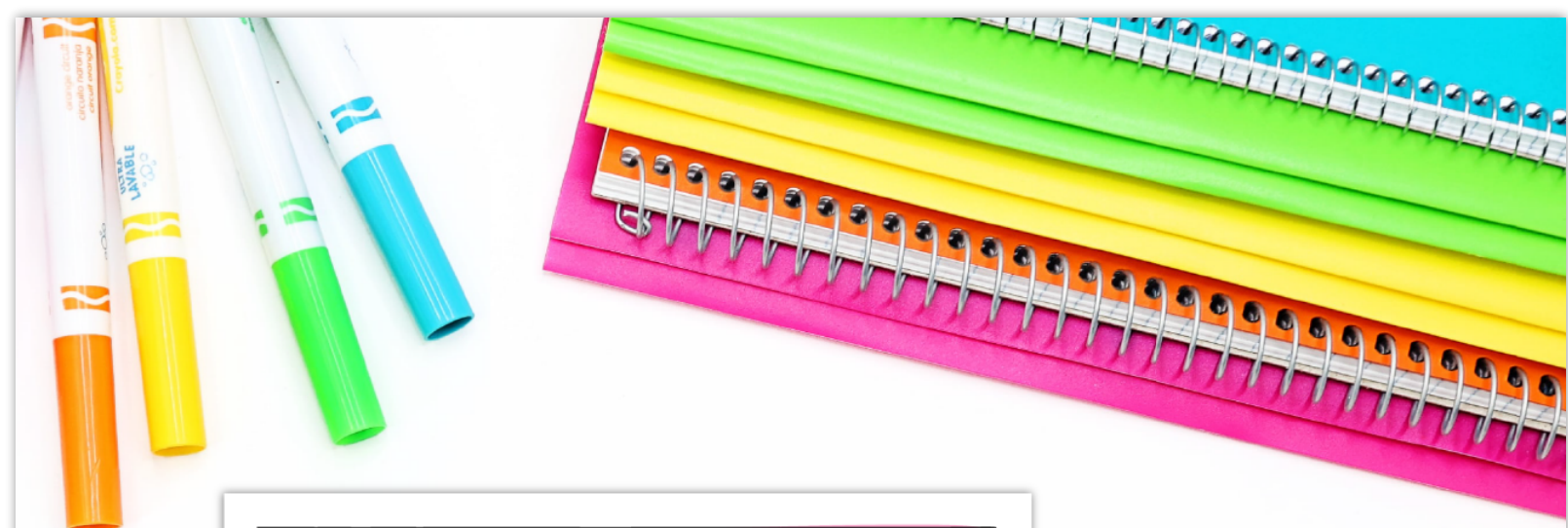
9 Multiply by 10 & subtract a group
 $9 \times 6 \rightarrow 10 \times 6 = 60$
 $\rightarrow 60 - 6 = 54$

10 Count by 10 or add a 0
 $10 \times 4 \rightarrow 10, 20, 30, 40$

11 Multiply by 10 & add a group
 $11 \times 4 \rightarrow 10, 20, 30, 40$
 $\rightarrow 40 + 4 = 44$

12 Multiply by 10 & add a double
 $12 \times 5 \rightarrow 50$

	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144



MULTIPLICATION FACTS 0-12 (10)

0 It's always 0

$$0 \times 7 = 0$$

1 It's always the number

$$1 \times 9 = 9$$

2 Double it

$$2 \times 4 \rightarrow 4 + 4 = 8$$

3 Double it & add a group

$$3 \times 6 \rightarrow 6 + 6 = 12$$

$$\rightarrow 12 + 6 = 18$$

4 Double, double

$$4 \times 7 \rightarrow 7 + 7 = 14$$

$$\rightarrow 14 + 14 = 28$$

	0	1	2	3	4	5	6	7	8	9	10	11
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11
2	0	2	4	6	8	10	12	14	16	18	20	22
3	0	3	6	9	12	15	18	21	24	27	30	33
4	0	4	8	12	16	20	24	28	32	36	40	44
5	0	5	10	15	20	25	30	35	40	45	50	55
6	0	6	12	18	24	30	36	42	48	54	60	66
7	0	7	14	21	28	35	42	49	56	63	70	77
8	0	8	16	24	32	40	48	56	64	72	80	88
9	0	9	18	27	36	45	54	63	72	81	90	99
10	0	10	20	30	40	50	60	70	80	90	100	110
11	0	11	22	33	44	55	66	77	88	99	110	121
12	0	12	24	36	48	60	72	84	96	108	120	132

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1	0	1	2	3	4	5	6	7	8	9	10	11	12
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2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK



8 Double, double, double

$$8 \times 7 \rightarrow 7 + 7 = 14$$

$$\rightarrow 14 + 14 = 28 \rightarrow 28 + 28 = 56$$

12 Multiply by 10 & add a double

$$12 \times 5 \rightarrow 10, 20, 30,$$

$$\rightarrow 50 + 10 = 60$$

$$8 \times 7 \rightarrow 7 + 7 = 14$$

$$\rightarrow 14 + 14 = 28 \rightarrow 28 + 28 = 56$$

12 Multiply by 10 & add a double

$$12 \times 5 \rightarrow 10, 20, 30, 40, 50$$

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STEP-BY-STEP POWERPOINT

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Multiply by 10 & subtract a group

$10 \times 6 \rightarrow 10 \times 6 = 60$

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MacBook Pro

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9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120

DETAILED ANSWER KEY