

MULTIPLICATION FACTS SKETCH NOTES

73 SKETCH NOTE PAGES

2 FORMATS
PROVIDED

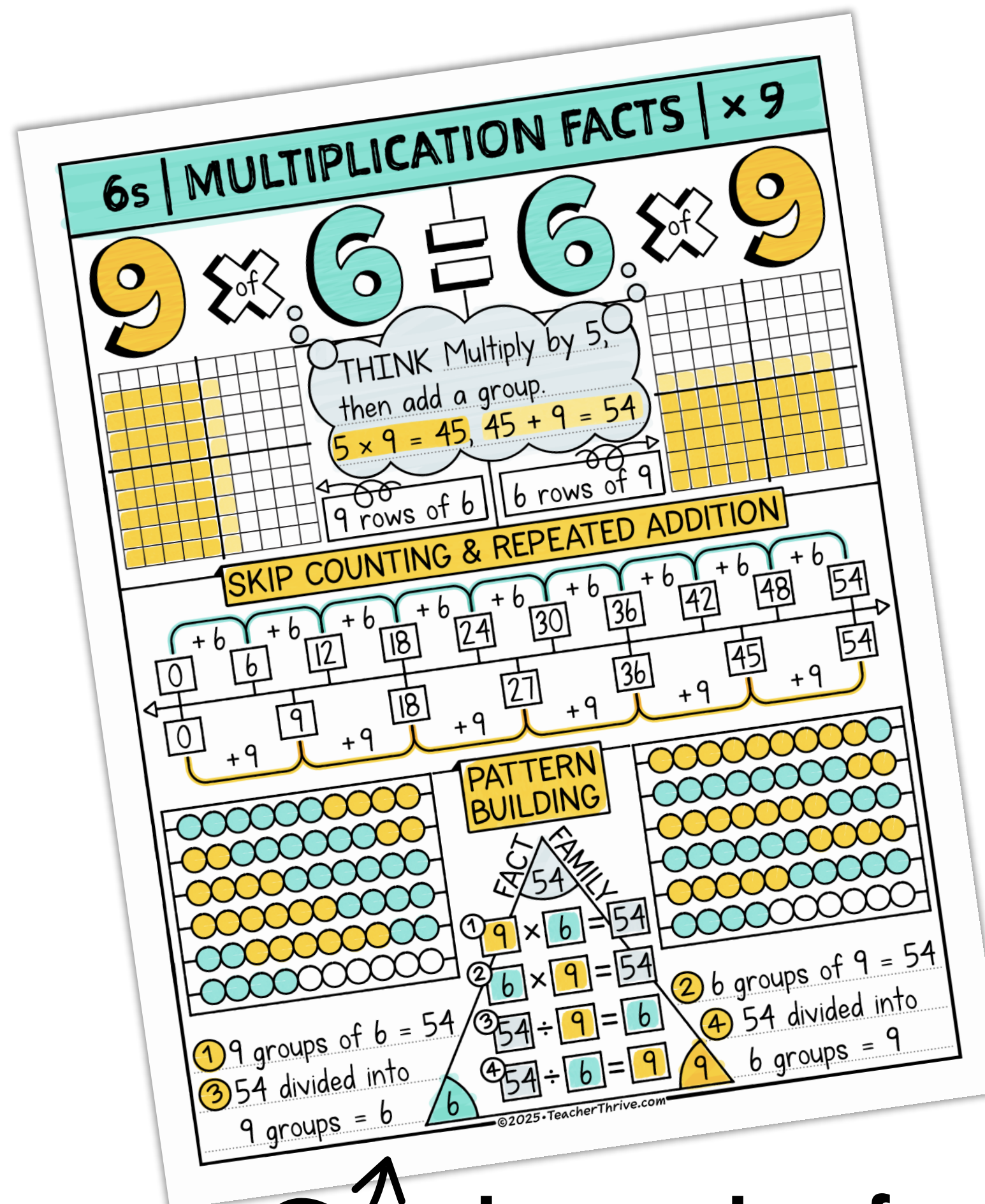
1. Loose Leaf Format

Print on US Legal size (8.5 in. x 11 in.) paper. Students can store their notes in a binder or folder.

2. Notebook Format

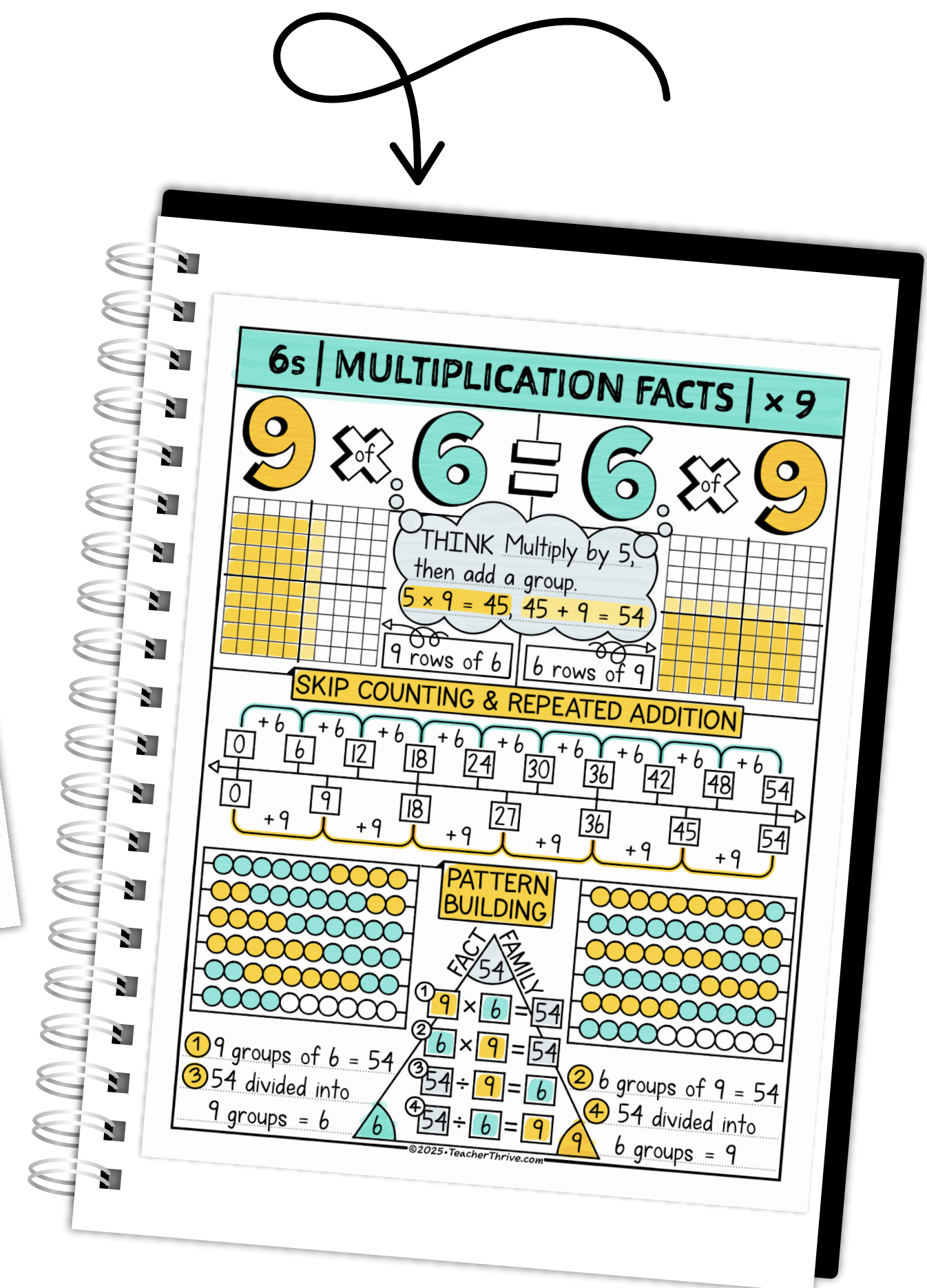
This option is the more traditional Interactive Notebook format that uses a spiral-bound or composition notebook (composition notebook is more durable and is recommended).

Teacher Thrive



Loose Leaf
(8.5 x 11)

Notebook Format



MULTIPLICATION FACTS SKETCH NOTES

73 PRESENTATIONS STEP-BY-STEP POWERPOINTS

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

Each sketch note page comes with a step-by-step PowerPoint that you can use to **guide your students** as they complete their notes.

All presentations can be shown in **Google Slides**.

Teacher Thrive

2s | MULTIPLICATION FACTS | x 8

$8 \times 2 = 2 \times 8$

EQUAL GROUPS

8 groups of 2 = 16 2 groups of 8 = 16

16 divided into 8 groups = 2 16 divided into 2 groups = 8

SKIP COUNTING & REPEATED ADDITION

0 2 4 6 8 10 12 14 16

WORD PROBLEMS

1 Ty sent 2 letters to each friend. How many letters did he send to 8 friends?

2 Ty sent 8 letters to each friend. How many letters did he send to 2 friends?

3 Ty sent 16 letters to 8 friends. How many letters did each friend receive?

4 Ty sent 16 letters to 2 friends. How many letters did each friend receive?

8s | MULTIPLICATION FACTS | x 9

$9 \times 8 = 8 \times 9$

THINK Double. Double. Then double again.

$2 \times 9 = 18$ $2 \times 18 = 36$ $2 \times 36 = 72$

9 rows of 8 8 rows of 9

SKIP COUNTING & REPEATED ADDITION

0 8 16 24 32 40 48 56 64 72

0 9 18 27 36 45 54 63 72

EQUAL GROUPS

1 9 groups of 8 = 72 2 8 groups of 9 = 72

3 72 divided into 9 groups = 8 4 72 divided into 8 groups = 9

4s | MULTIPLICATION FACTS | x 7

$7 \times 4 = 4 \times 7$

THINK Double, then double again.

$2 \times 7 = 14$ $2 \times 14 = 28$

7 rows of 4 4 rows of 7

SKIP COUNTING & REPEATED ADDITION

0 4 8 12 16 20 24 28

0 7 14 21 28

EQUAL GROUPS

1 7 groups of 4 = 28 2 4 groups of 7 = 28

3 28 divided into 7 groups = 4 4 28 divided into 4 groups = 7

5s | MULTIPLICATION FACTS | x 5

$5 \times 5 = 25$

SQUARE ARRAY

A square number has the same number of rows and columns.

5 rows 5 columns

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

ROW the horizontal arrangement of objects, side by side; left & right

COLUMN the vertical arrangement of objects, one above the other, up & down

Square number I already know!

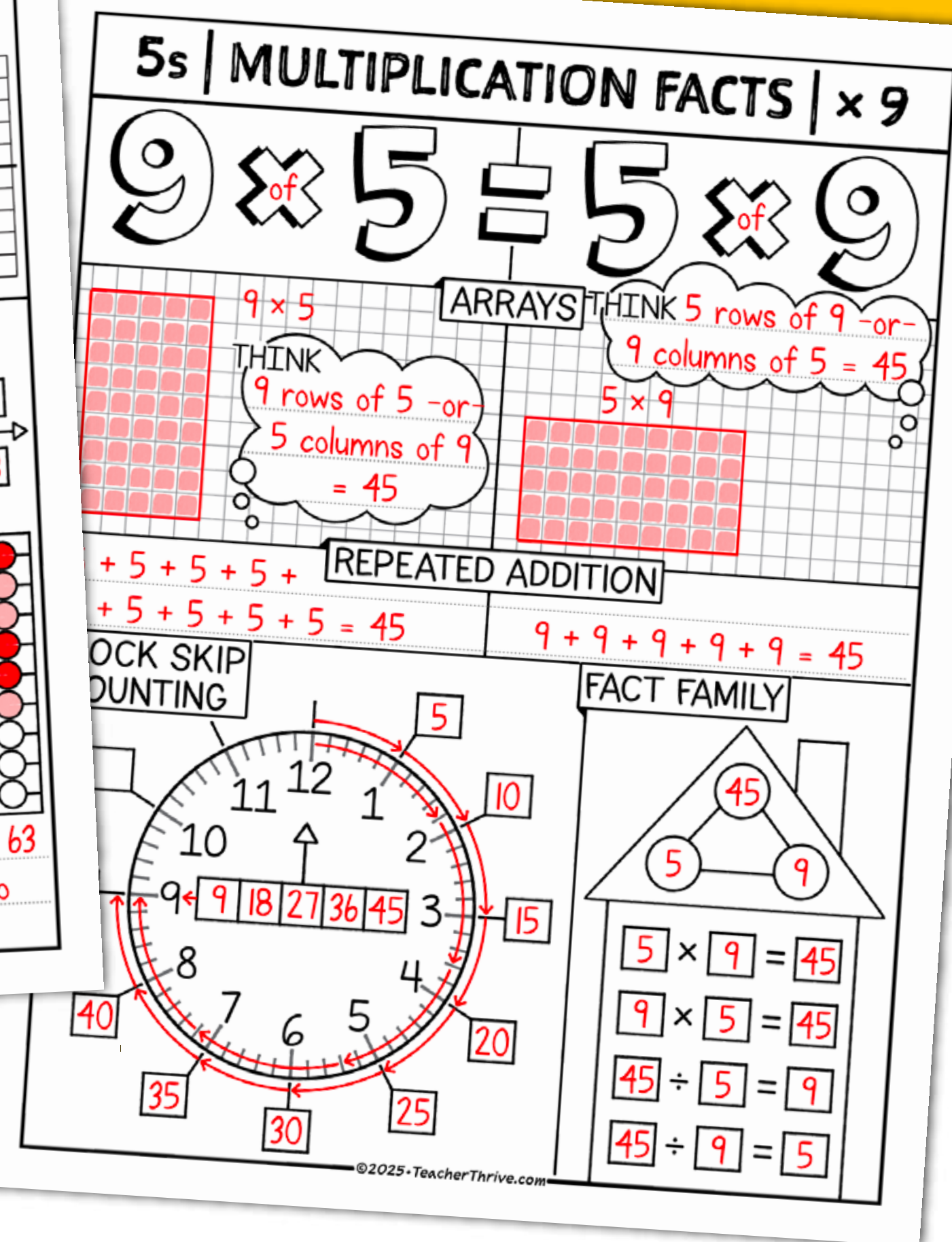
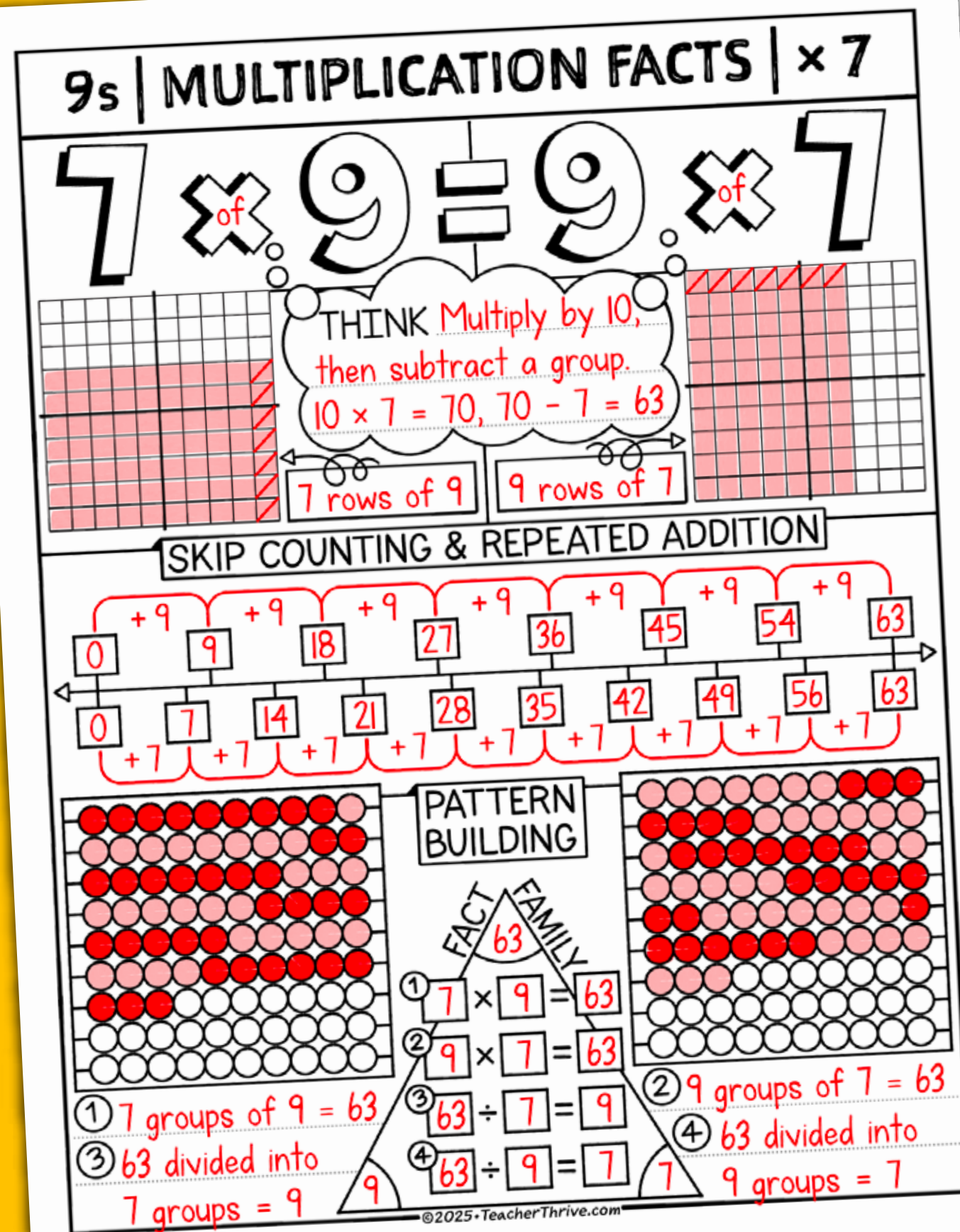
MULTIPLICATION FACTS SKETCH NOTES

DETAILED ANSWER KEYS

Easily **guide** and **assess** student work with detailed answer keys.

Preview the answer keys before guiding students through the note-taking process.

Understanding the final product allows teachers to better **scaffold instruction** as students take notes.



MULTIPLICATION FACTS SKETCH NOTES

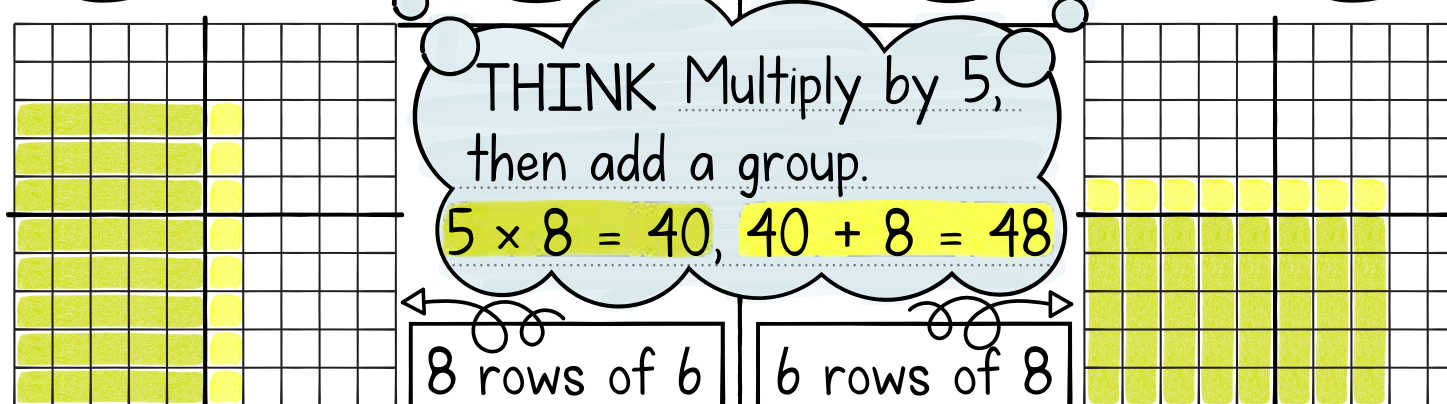
STRATEGY BREAK-DOWNS

Instead of mindless memorization, teach strategies that **emphasize relationships!**

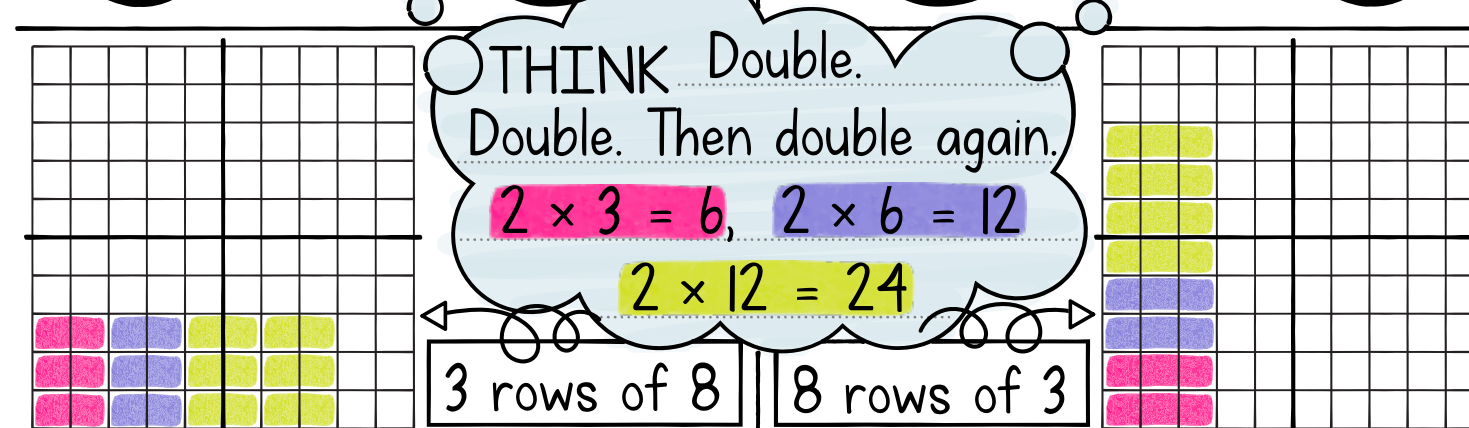
Show how facts are connected and **use known facts** to derive unknown ones.

These strategies are paired with 10 x 10 grids so students can **model and visualize** each math fact.

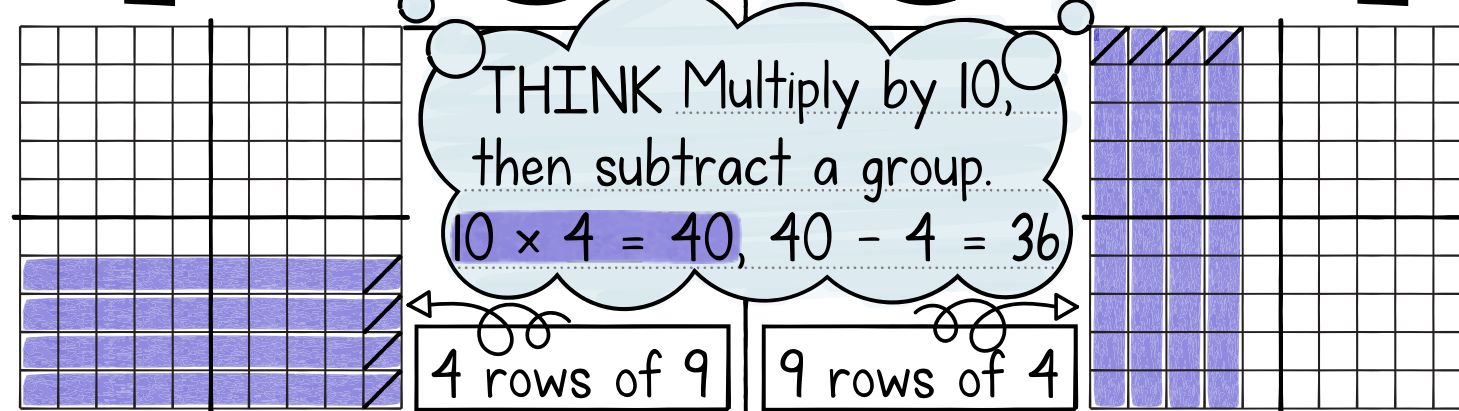
$$8 \times 6 = 6 \times 8$$



$$3 \times 8 = 8 \times 3$$



$$4 \times 9 = 9 \times 4$$



MULTIPLICATION FACTS SKETCH NOTES

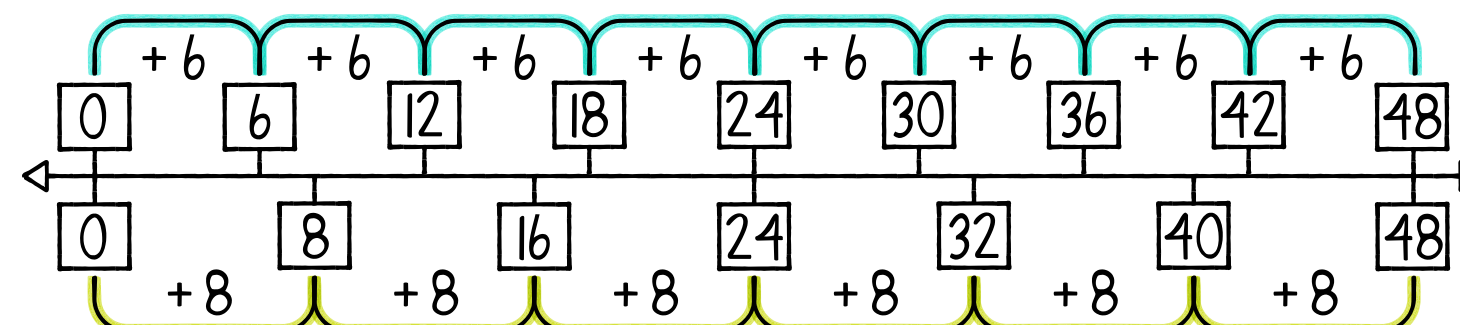
DOUBLE NUMBER LINES

Skip counting and repeated addition on double number lines creates an excellent visual for students that go beyond multiplication facts.

Students will also build an understanding of **common multiples** and **common factors**, which are essential skills for fractions.

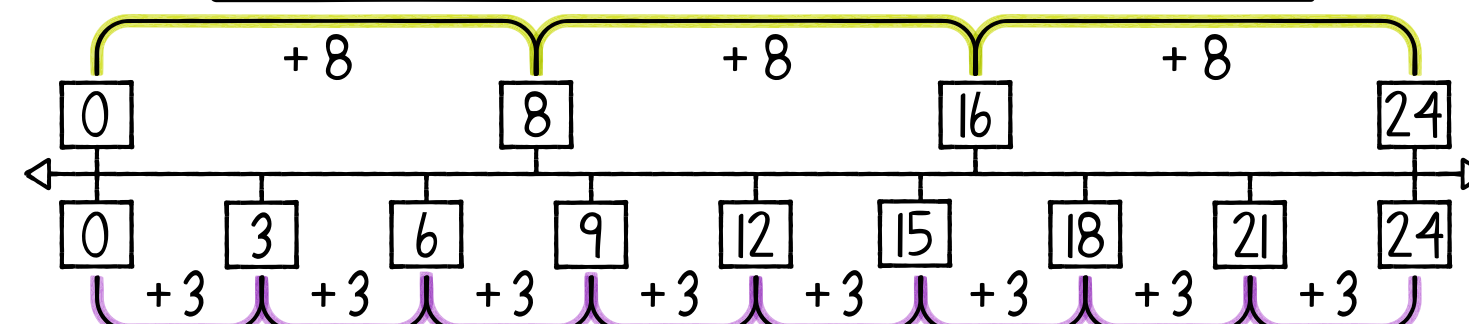
$$8 \times 6 = 6 \times 8$$

SKIP COUNTING & REPEATED ADDITION



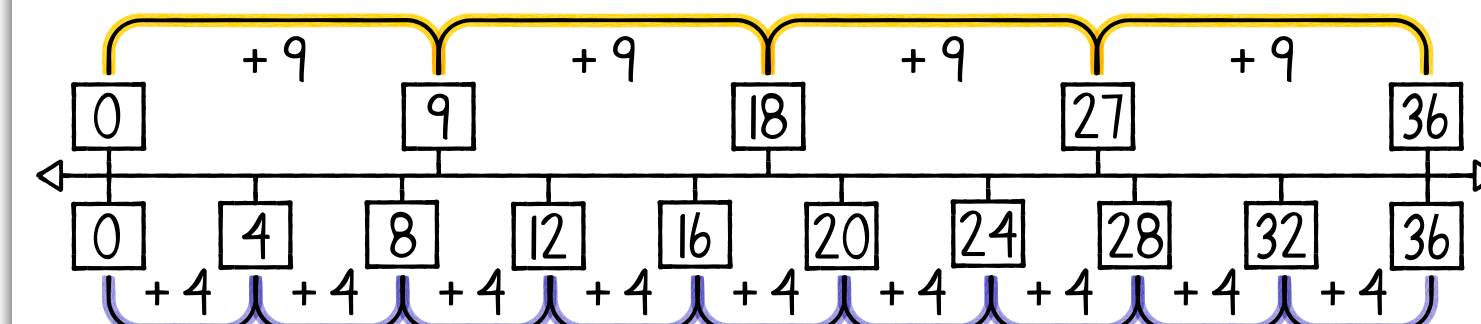
$$3 \times 8 = 8 \times 3$$

SKIP COUNTING & REPEATED ADDITION



$$4 \times 9 = 9 \times 4$$

SKIP COUNTING & REPEATED ADDITION



MULTIPLICATION FACTS SKETCH NOTES

MODEL VARIETY & FACT FAMILIES

Models and visuals strike a balance between repetition and novelty.

Repetition **reinforces memory** and **builds speed and confidence**. However, students will encounter facts in a **variety** of ways (pattern building, equal groups, word problems, 10 x 10 grids, multiplication tables, number lines).

Fact families help students see the **relationship** between multiplication and division.

PATTERN BUILDING

① $8 \times 6 = 48$
 ② $6 \times 8 = 48$
 ③ $48 \div 8 = 6$
 ④ $48 \div 6 = 8$

① 8 groups of 6 = 48
 ② 6 groups of 8 = 48
 ③ 48 divided into 8 groups = 6
 ④ 48 divided into 6 groups = 8

EQUAL GROUPS

4 groups of 2 = 8
 8 divided into 4 groups = 2

2 groups of 4 = 8
 8 divided into 2 groups = 4

WORD PROBLEMS

① Each room has 2 trash cans. How many trash cans are there in 7 rooms?

② Each room has 7 trash cans. How many trash cans are there in 2 rooms?

③ There are 14 trash cans for 7 rooms. How many trash cans will each room have?

④ There are 14 trash cans for 2 rooms. How many trash cans will each room have?

FACT FAMILY: 2, 7, 14

① $2 \times 7 = 14$
 ② $7 \times 2 = 14$
 ③ $14 \div 7 = 2$
 ④ $14 \div 2 = 7$

CLOCK SKIP COUNTING

5, 10, 15, 20, 25, 30, 35, 40, 45

SQUARE NUMBERS

Square numbers I already know!

×	1	2	3	4	5	6	7	8	9	10
1	1	4	9	16	25	36	49	64	81	100
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

MULTIPLICATION FACTS
SKETCH NOTES

16 Week
SCOPE &
SEQUENCE

Math Fact Sketch Notes organizes multiplication and division facts into **eight strategic learning units**, each introducing easily recognizable patterns before addressing more challenging facts.

This schedule requires **10-15 minutes** a day and concludes after **16 weeks**.

- Unit 1:** Multiply and divide by **10s**
- Unit 2:** Multiply and divide by **5s**
- Unit 3:** Multiply and divide by **2s**
- Unit 4:** Multiply and divide by **4s**

- Unit 5:** Multiply and divide by **8s**
- Unit 6:** Multiply and divide by **3s**
- Unit 7:** Multiply and divide by **6s**
- Unit 8:** Multiply and divide by **9s**
& 7×7 (the only “new” fact left)

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	Unit 1: 10×2	Unit 1: 10×3	Unit 1: 10×4	Unit 1: 10×5	Unit 1: 10×6
Week 2	Unit 1: 10×7	Unit 1: 10×8	Unit 1: 10×9	Unit 1: 10×10	Unit 1: Review 10s
Week 3	Unit 2: 5×2	Unit 2: 5×3	Unit 2: 5×4	Unit 2: 5×5	Unit 2: 5×6
Week 4	Unit 2: 5×7	Unit 2: 5×8	Unit 2: 5×9	Unit 2: 5×10	Unit 2: Review 5s
Week 5	Unit 3: 2×2	Unit 3: 2×3	Unit 3: 2×4	Unit 3: 2×5	Unit 3: 2×6
Week 6	Unit 3: 2×7	Unit 3: 2×8	Unit 3: 2×9	Unit 3: 2×10	Unit 3: Review 2s
Week 7	Unit 4: 4×2	Unit 4: 4×3	Unit 4: 4×4	Unit 4: 4×5	Unit 4: 4×6
Week 8	Unit 4: 4×7	Unit 4: 4×8	Unit 4: 4×9	Unit 4: 4×10	Unit 4: Review 4s

MULTIPLICATION FACTS
SKETCH NOTES

16 Week
SCOPE &
SEQUENCE

Math Fact Sketch Notes organizes multiplication and division facts into **eight strategic learning units**, each introducing easily recognizable patterns before addressing more challenging facts.

This schedule requires **10-15 minutes** a day and concludes after **16 weeks**.

Students will complete **one sketch note page** a day.

- Unit 1:

Multiply and divide by 10s
- Unit 2:

Multiply and divide by 5s
- Unit 3:

Multiply and divide by 2s
- Unit 4:

Multiply and divide by 4s
- Unit 5:

Multiply and divide by 8s
- Unit 6:

Multiply and divide by 3s
- Unit 7:

Multiply and divide by 6s
- Unit 8:

Multiply and divide by 9s
& 7 × 7 (the only “new” fact left)

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 9	Unit 5: 8 × 2	Unit 5: 8 × 3	Unit 5: 8 × 4	Unit 5: 8 × 5	Unit 5: 8 × 6
Week 10	Unit 5: 8 × 7	Unit 5: 8 × 8	Unit 5: 8 × 9	Unit 5: 8 × 10	Unit 5: Review 8s
Week 11	Unit 6: 3 × 2	Unit 6: 3 × 3	Unit 6: 3 × 4	Unit 6: 3 × 5	Unit 6: 3 × 6
Week 12	Unit 6: 3 × 7	Unit 6: 3 × 8	Unit 6: 3 × 9	Unit 6: 3 × 10	Unit 6: Review 3s
Week 13	Unit 7: 6 × 2	Unit 7: 6 × 3	Unit 7: 6 × 4	Unit 7: 6 × 5	Unit 7: 6 × 6
Week 14	Unit 7: 6 × 7	Unit 7: 6 × 8	Unit 7: 6 × 9	Unit 7: 6 × 10	Unit 7: Review 6s
Week 15	Unit 8: 9 × 2	Unit 8: 9 × 3	Unit 8: 9 × 4	Unit 8: 9 × 5	Unit 8: 9 × 6
Week 16	Unit 8: 9 × 7	Unit 8: 9 × 8	Unit 8: 9 × 9	Unit 8: 9 × 10	Unit 8: Rev. 9s (and 7 × 7)

MULTIPLICATION FACTS
SKETCH NOTES

8 Week
SCOPE &
SEQUENCE

Math Fact Sketch Notes organizes multiplication and division facts into **eight strategic learning units**, each introducing easily recognizable patterns before addressing more challenging facts.

This schedule requires **15-25 minutes** a day and concludes after **8 weeks**.

Students will complete **two sketch note pages** a day.

- Unit 1:** Multiply and divide by **10s**

Unit 2: Multiply and divide by **5s**

Unit 3: Multiply and divide by **2s**

Unit 4: Multiply and divide by **4s**
- Unit 5:** Multiply and divide by **8s**

Unit 6: Multiply and divide by **3s**

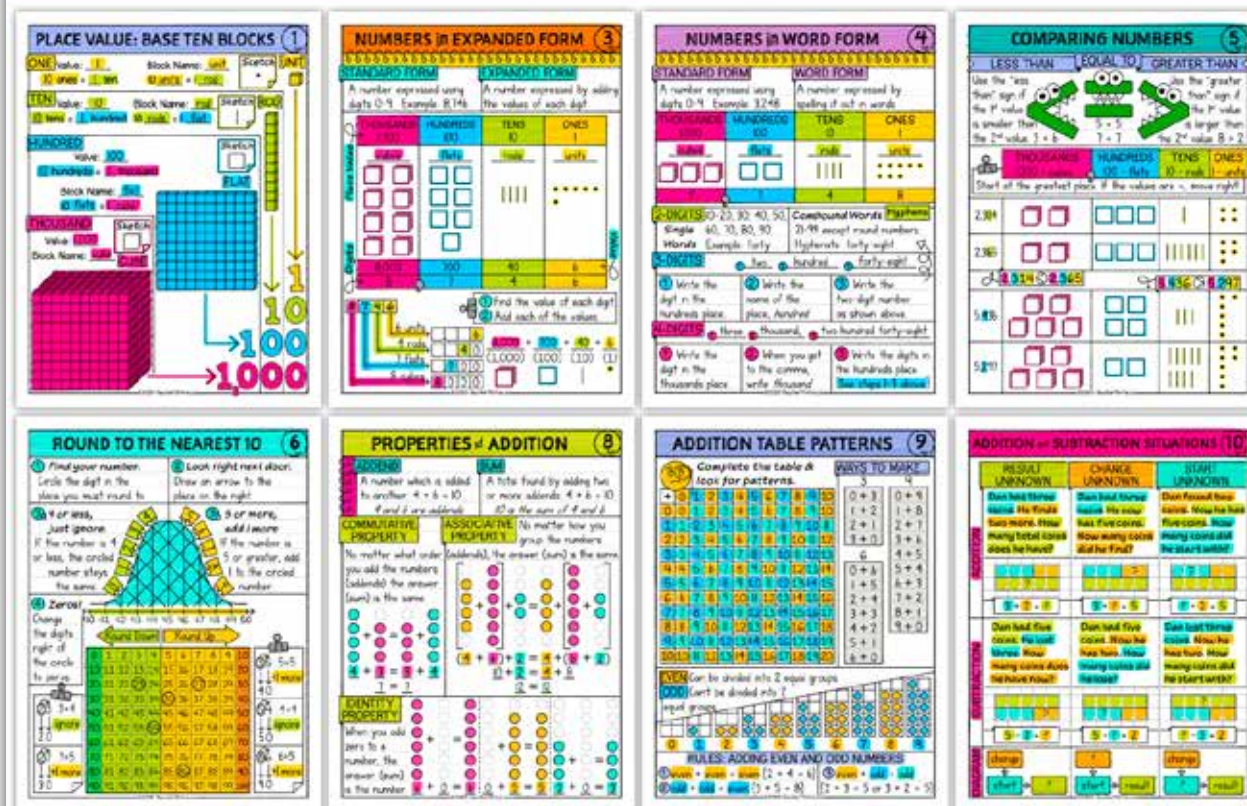
Unit 7: Multiply and divide by **6s**

Unit 8: Multiply and divide by **9s**
& **7 × 7** (the only “new” fact left)

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	Unit 1: 10 × 2, 10 × 3	Unit 1: 10 × 4, 10 × 5	Unit 1: 10 × 6, 10 × 7	Unit 1: 10 × 8, 10 × 9	Unit 1: 10 × 10
Week 2	Unit 2: 5 × 2, 5 × 3	Unit 2: 5 × 4, 5 × 5	Unit 2: 5 × 6, 5 × 7	Unit 2: 5 × 8, 5 × 9	Unit 2: 5 × 10
Week 3	Unit 3: 2 × 2, 2 × 3	Unit 3: 2 × 4, 2 × 5	Unit 3: 2 × 6, 2 × 7	Unit 3: 2 × 8, 2 × 9	Unit 3: 2 × 10
Week 4	Unit 4: 4 × 2, 4 × 3	Unit 4: 4 × 4, 4 × 5	Unit 4: 4 × 6, 4 × 7	Unit 4: 4 × 8, 4 × 9	Unit 4: 4 × 10
Week 5	Unit 5: 8 × 2, 8 × 3	Unit 5: 8 × 4, 8 × 5	Unit 5: 8 × 6, 8 × 7	Unit 5: 8 × 8, 8 × 9	Unit 5: 8 × 10
Week 6	Unit 6: 3 × 2, 3 × 3	Unit 6: 3 × 4, 3 × 5	Unit 6: 3 × 6, 3 × 7	Unit 6: 3 × 8, 3 × 9	Unit 6: 3 × 10
Week 7	Unit 7: 6 × 2, 6 × 3	Unit 7: 6 × 4, 6 × 5	Unit 7: 6 × 6, 6 × 7	Unit 7: 6 × 8, 6 × 9	Unit 7: 6 × 10
Week 8	Unit 8: 9 × 2, 9 × 3	Unit 8: 9 × 4, 9 × 5	Unit 8: 9 × 6, 9 × 7	Unit 8: 9 × 8, 9 × 9	Unit 8: 9 × 10 (and 7 × 7)

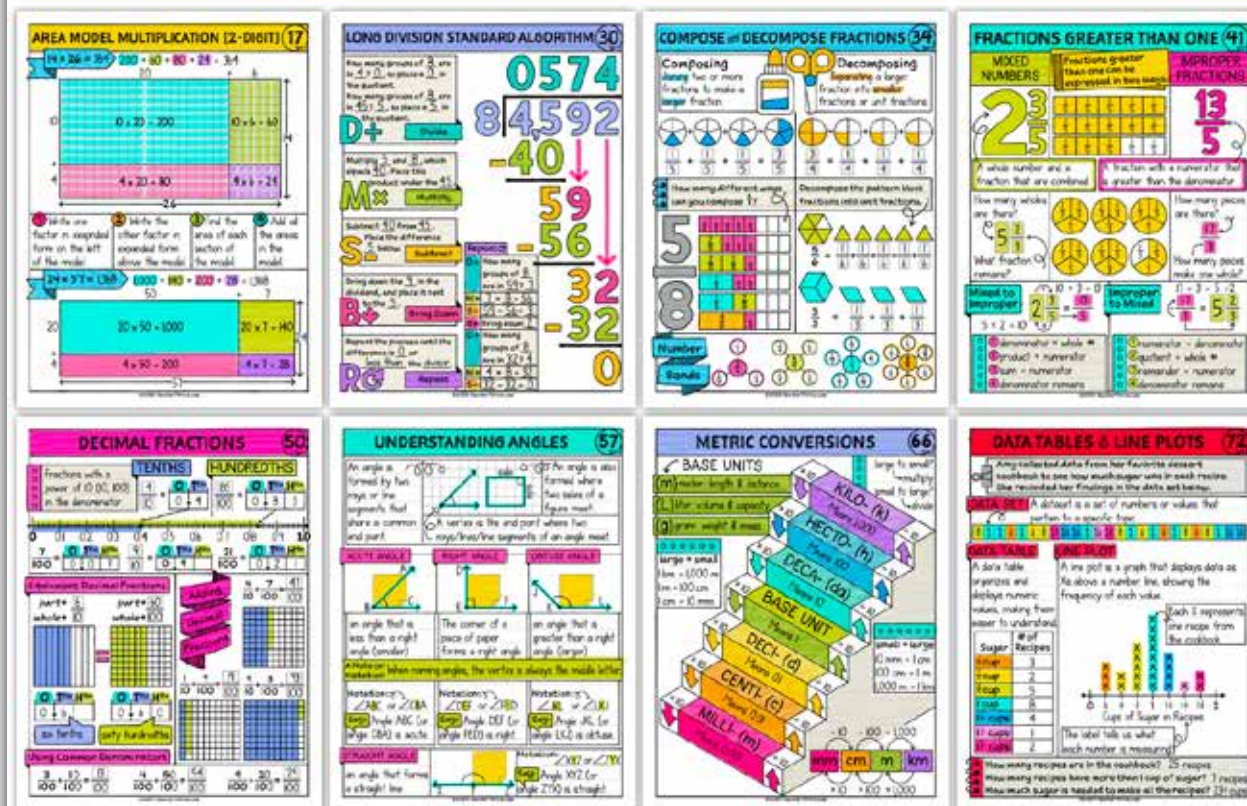
Check out these grade-specific Math Sketch Notes!

THIRD GRADE MATH GUIDED SKETCH NOTES



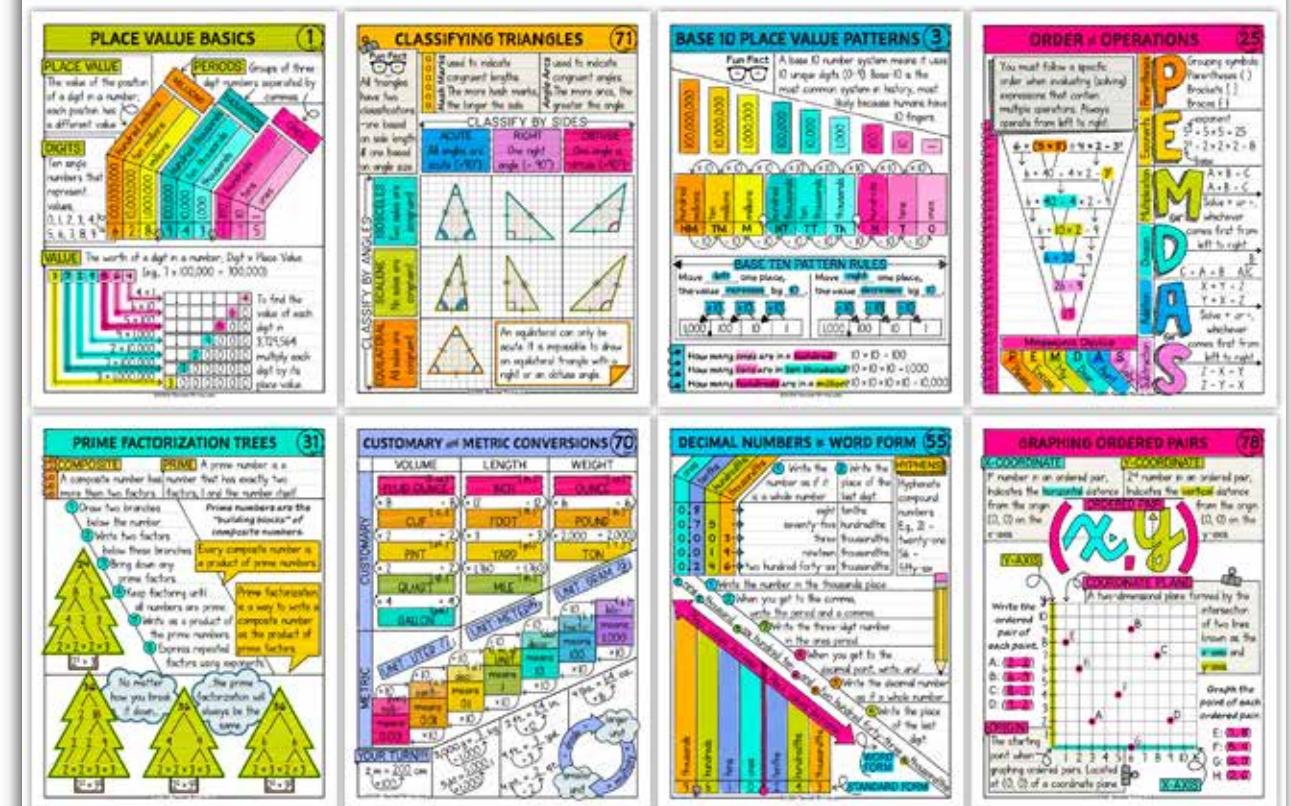
GROWING BUNDLE!!!

FOURTH GRADE MATH SKETCH NOTES BUNDLE



COVERS 70+ TOPICS

FIFTH GRADE MATH SKETCH NOTES BUNDLE



COVERS 80 TOPICS

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