

1 DIGIT BY 4 DIGIT MULTIPLICATION



3 MINI-LESSONS

1 by 4 Digit Multiplication: Area Model

3x7182

Step 1: Break up the number into thousands, hundreds, tens, and ones.
Step 2: Multiply by each place value.
Step 3: Add all products together.

7000	$3 \times 7000 = 21000$
100	$3 \times 100 = 300$
80	$3 \times 80 = 240$
2	$3 \times 2 = 6$

3

2	1	0	0	0
		3	0	0
		2	4	0
				6
2	1	5	4	6

6x5396

6

5000	$6 \times 5000 = 30000$
300	$6 \times 300 = 1800$
90	$6 \times 90 = 540$
6	$6 \times 6 = 36$

3	0	0	0	0	
	1	8	0	0	
		5	4	0	
				3	6
3	2	3	7	6	

8x4329

8

4000	$8 \times 4000 = 32000$
300	$8 \times 300 = 2400$
20	$8 \times 20 = 160$
9	$8 \times 9 = 72$

3	2	0	0	0	
	2	4	0	0	
		1	6	0	
				7	2
3	4	6	3	2	

1 by 4 Digit Multiplication: Partial Products

4x6235

Step 1: Break up the number into thousands, hundreds, tens, and ones.
Step 2: Multiply by each place value.
Step 3: Add all products together.

Equations:

$4 \times 6000 = 24000$
$4 \times 200 = 800$
$4 \times 30 = 120$
$4 \times 5 = 20$

2	4	0	0	0
		8	0	0
		1	2	0
			2	0
2	4	9	4	0

5x4827

Equations:

$5 \times 4000 = 20000$
$5 \times 800 = 4000$
$5 \times 20 = 100$
$5 \times 7 = 35$

2	0	0	0	0
	4	0	0	0
		1	0	0
			3	5
2	4	1	3	5

6x7393

Equations:

$6 \times 7000 = 42000$
$6 \times 300 = 1800$
$6 \times 90 = 540$
$6 \times 3 = 18$

4	2	0	0	0
	4	8	0	0
		5	4	0
			1	8
4	7	3	5	8

- area model
- partial products
- algorithm

Monster Multiplication
Name: Jane
Color the monster and the jar that go together when multiplying.

Monster 12,828	Monster 34,815	Monster 64,708	Monster 27,608	Monster 11,356
Monster 7,079	Monster 53,634	Monster 11,225		

Area Model
Name: Steve
Use your knowledge of the area model to solve each equation.

I. $3 \times 6,824$

6000	800	20	4
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1	8	0	0	0
	2	4	0	0
			6	0

Area Multiplication
Each plate based on what number is missing.
The cupcake and plate the same color.

Monster Multiplication
Name: Jane
Color the monster and the jar that go together when multiplying.

Monster 12,828	Monster 34,815	Monster 64,708	Monster 27,608	Monster 11,356
Monster 7,079	Monster 53,634	Monster 11,225		

Area Model
Name: Steve
Use your knowledge of the area model to solve each equation.

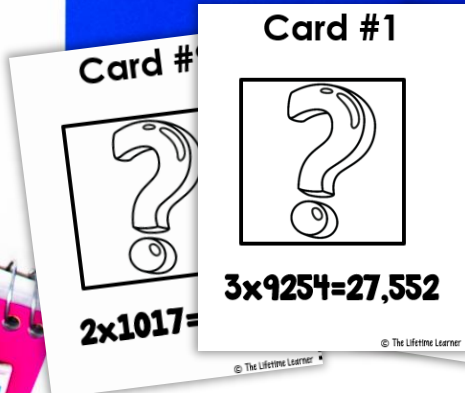
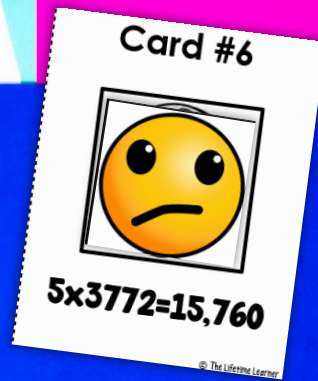
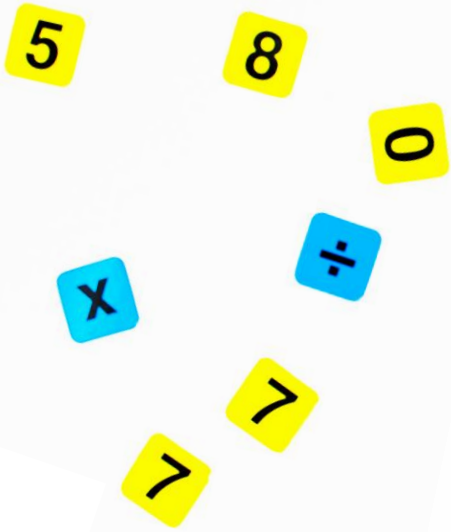
I. $3 \times 6,824$

6000	800	20	4
------	-----	----	---

1	8	0	0	0
	2	4	0	0
			6	0

Area Multiplication
Each plate based on what number is missing.
The cupcake and plate the same color.

MATH SORT

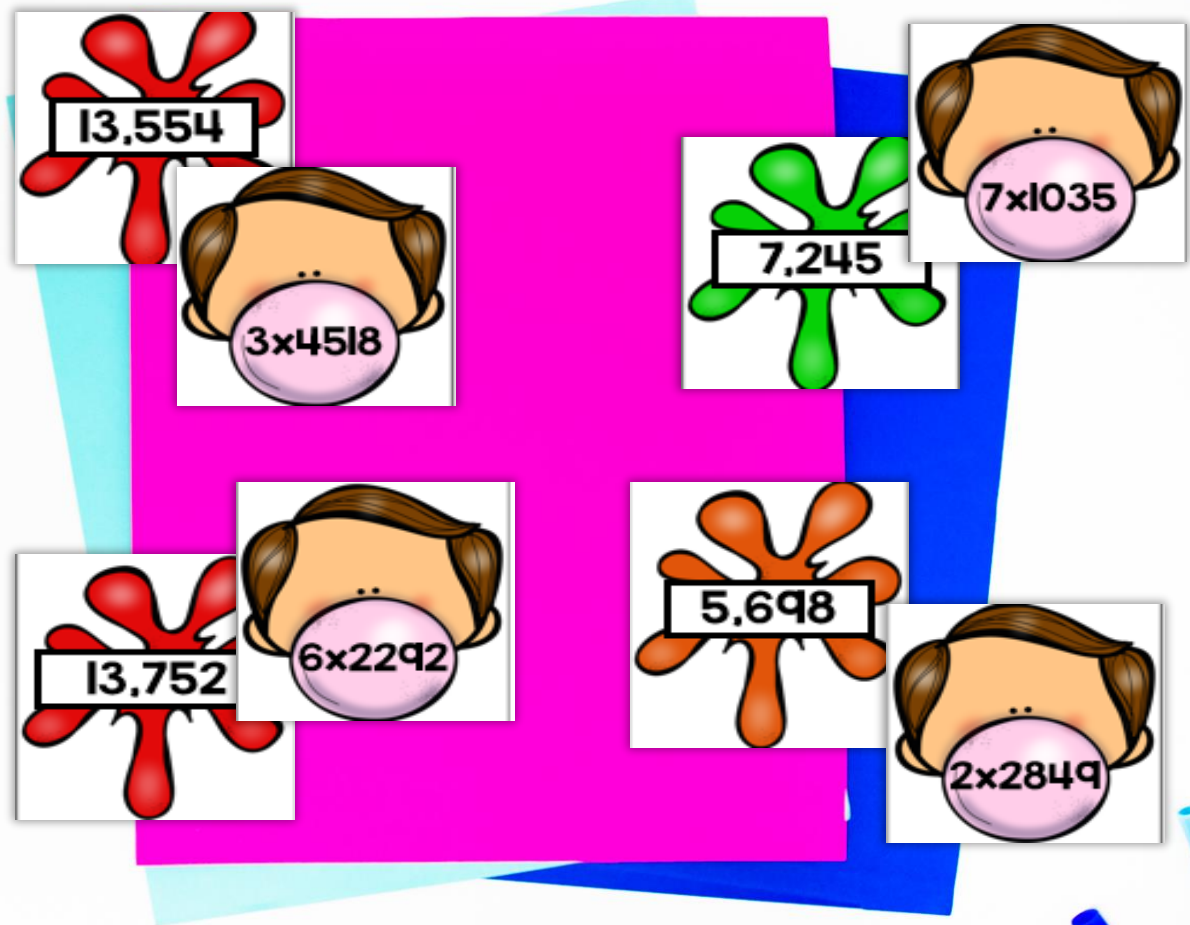


Students decide if the answer is correct or not using their error analysis skills.



MATCHING GAME

27 matches included



Students match up each kid with the correct bubble gum.

TASK CARDS

24 emoji-themed task cards

RECORDING SHEET

#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

$$6235 \times 8 =$$



#1

$$3867 \times 7 =$$



#12

$$1233 \times 6 =$$



$$9976 \times 9 =$$



#15

GAME #1



Roll a dice to move forward on the gameboard. If you land on "card", answer a question. The first one to the finish wins.

GAME #2

FOR 2-4 PLAYERS

HOW TO PLAY:

1. All players receive a game mat.
2. Students answer a question card.
3. If they are correct, they earn an item.
4. The first person to earn 10 items wins.
5. Chance cards included to spice up gameplay.



$$6 \times 8933 =$$

#9

$$6 \times 6151 =$$

$$7 \times 8629 =$$

60043

#12

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$$7 \times 7254 =$$

#10

Chance Card!

To

Chance Card!

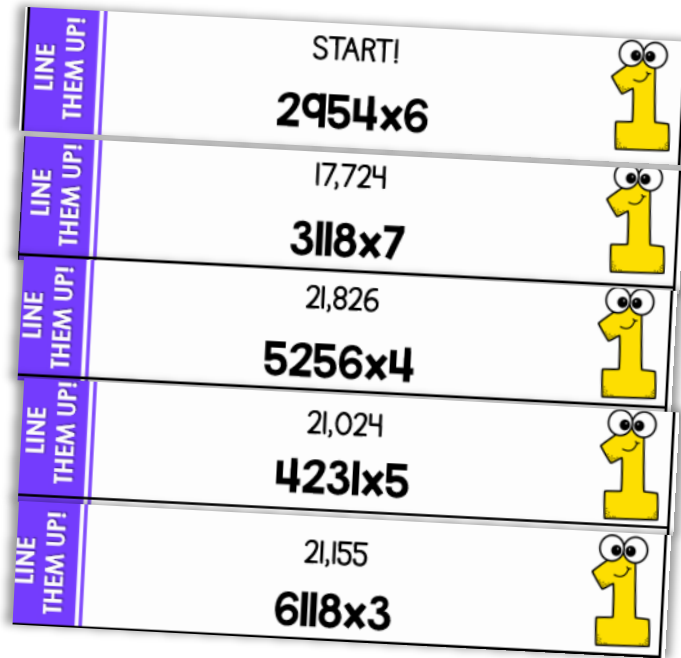
Chance Card!

Take 1 piece
from the
middle.

Take a piece
from the middle
and give it to
another player.

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GAME #3



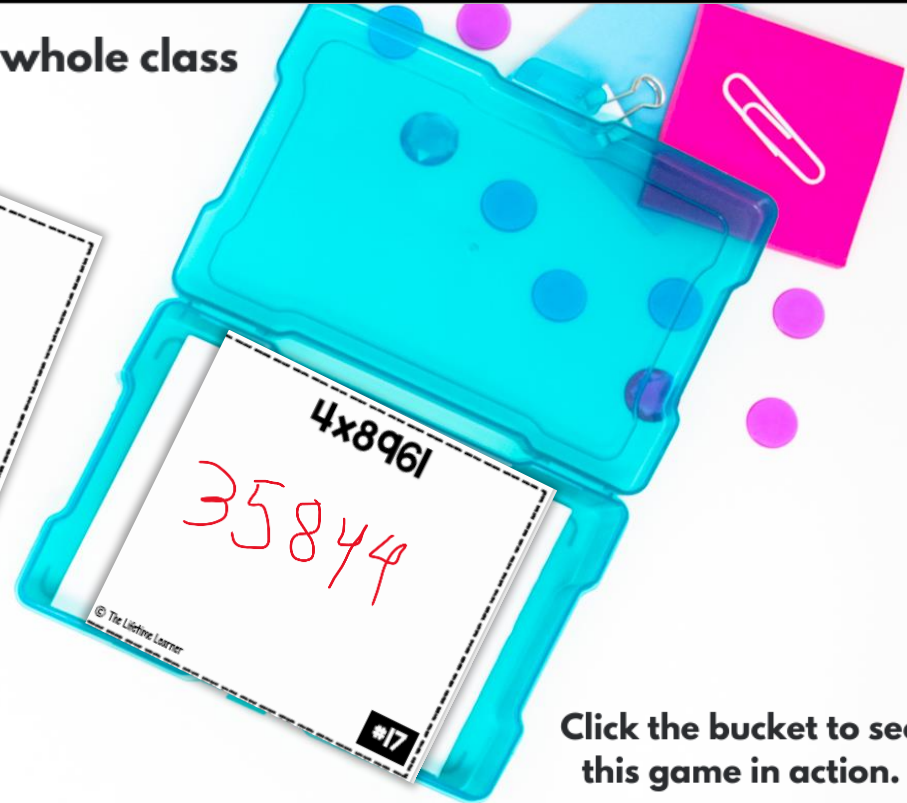
HOW TO PLAY:

- Students pair up in teams.
- Students race to line up their cards in order before the other team.



GAME #4

the perfect game to play with the whole class



Click the bucket to see this game in action.

HOW TO PLAY:

1. Students answer task cards.
2. If they get it right, they drop it in the bucket.
3. Students play for a set amount of time.
4. At the end of gameplay, the teacher draws task cards out of the bucket.
5. Any student whose task card gets pulled out gets a small prize.



BUY THE BUNDLE AND SAVE BIG!

4TH GRADE MATH BUNDLE

Partial Products
Name: *ericka*
Use your knowledge of partial products to solve each equation.

1. Equations: $2 \times 5,096$
 $5000 \times 2 = 10000$
 $0 \times 2 = 0$
 $90 \times 2 = 180$
 $6 \times 2 = 12$

2. Equations: $4 \times 8,923$
 $8000 \times 4 = 32000$
 $900 \times 4 = 3600$
 $20 \times 4 = 80$
 $3 \times 4 = 12$

3. Equations: $8 \times 5,624$
 $5000 \times 8 = 40000$
 $600 \times 8 = 4800$
 $20 \times 8 = 160$
 $4 \times 8 = 32$

4. Equations: $5 \times 2,089$
 $2000 \times 5 = 10000$
 $0 \times 5 = 0$
 $80 \times 5 = 400$
 $9 \times 5 = 45$

My Space Scene
To win, you must have 10 items in your space scene.
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6000+ PAGES

GAMES **ACTIVITIES** **WORKSHEETS**

YOU MAY ALSO LIKE:

SPACE day

multi-digit multiplication
4.NBT.5



EDITABLE
ROOM TRANSFORMATION

4th GRADE
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CIRCUS day

MULTIPLICATION word problems
4.NBT.5



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ROOM TRANSFORMATION

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PARTY planner

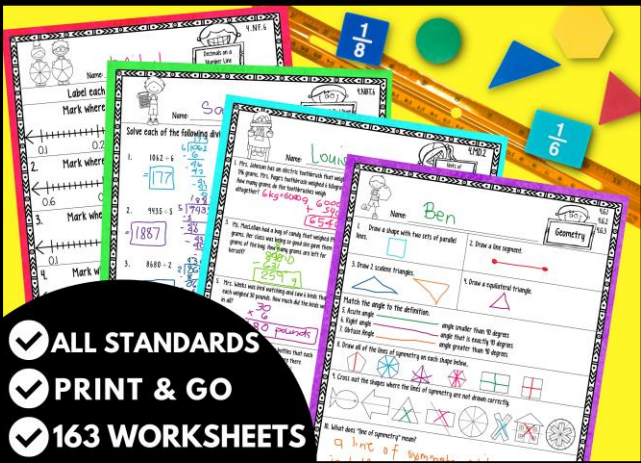
multiply & divide review
3.OA.8



EDITABLE
ROOM TRANSFORMATION

4th GRADE
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4TH GRADE WORKSHEET BUNDLE



- ✓ ALL STANDARDS
- ✓ PRINT & GO
- ✓ 163 WORKSHEETS

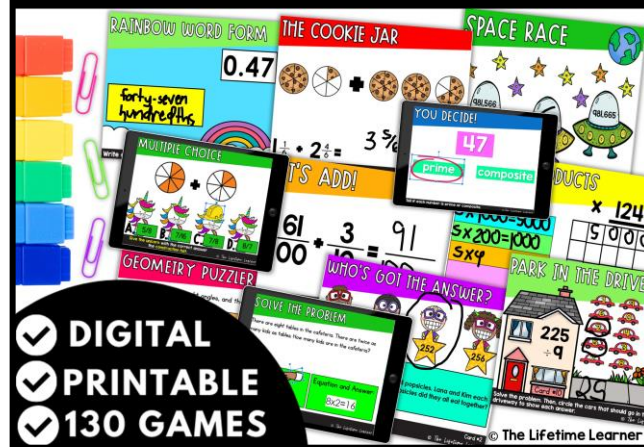
GRAB IT! 4TH GRADE

35 MATH GAMES



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4TH GRADE BUNDLE TASK CARDS



- ✓ DIGITAL
- ✓ PRINTABLE
- ✓ 130 GAMES

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