

PLACE VALUE

interactive NOTEBOOK

5TH GRADE

This unit includes
18 different
multiplication
activities

math



TABLE OF CONTENTS

Place Value Vocabulary Flaps	4
Place Value Vocabulary Puzzles	7
Place Value Strips	11
Base Ten Block Flaps	13
Expanded Form Flaps	18
Word Form Flaps	23
Writing Numbers Chart	28
Roll-It Flaps	36
Value of a Number Flaps	41
Number Relationship Flaps	46
Place Value Puzzles	51
Making New Numbers Flaps	56
Powers of Ten Chart	61
Multiplying by Powers of Ten Wheels	64
Less Than or Greater Than Flaps	70
Ordering Numbers Flaps	76
Rounding Flaps	81
Rounding Sort	86

Table of Contents with each activity listed for quick reference.

ROUNDING

Follow the instructions on each set of flaps to round the number on each flap.

Round to the nearest ten thousand.

671,567	435,261	850,682
---------	---------	---------

Round to the nearest hundred thousand.

7,983,517	8,818,991	5,744,056
-----------	-----------	-----------

Round to the nearest million.

41,764,820	76,352,986	22,915,545
------------	------------	------------

DEAR MRS. MATHS
NOT a swirly
Teacher

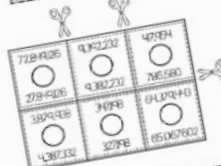
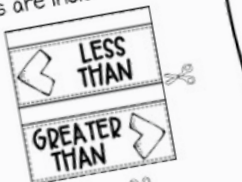
A great tool for practicing new skills and assessing mastered skills.



Super-simple cuts and no unnecessary coloring.

LESS THAN OR GREATER THAN FLAPS

- Each student will need one page of flaps and a half page of comparing numbers pieces. Multiple templates are included to allow for differentiation.
- Cut out the rectangle containing the two flaps, then cut horizontally between the flaps to separate them.
- Next, on the comparison cards, fill in the circles with $<$ (less than) or $>$ (greater than) to compare the numbers.
- Cut out the rectangle containing the comparison cards, then cut horizontally and vertically between the cards to get 6 cards.
- Apply glue to the underside of the thick strip on each flap.
- The flaps should be glued by the thick blank strip on top of each flap to the notebook page so that the flaps open upward.
- The comparison cards should be sorted and glued under the flaps.



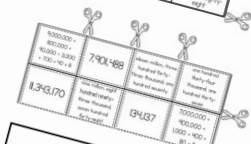
WRITING NUMBERS CHART

Each student will need one page containing the Writing Numbers Chart. Multiple charts are included to allow for differentiation. The sorting cards can be used as an additional activity.

Write a rectangular title at the top of the chart.

Cut out the rectangle containing the cards, then glue them to the chart.

Number Form	Expanded Form	Word Form
10,000	10,000 + 0 + 0 + 0	ten thousand
1,000	1,000 + 0 + 0 + 0	one thousand
100	100 + 0 + 0 + 0	one hundred
10	10 + 0 + 0 + 0	ten
1	1 + 0 + 0 + 0	one



Detailed cutting and gluing directions for each activity page.

NUMBER RELATIONSHIPS

Determine how many times larger the bolded number is than the underlined number. Write the number that correctly fills in the blank under the flap.

6, 679

6 is ___ times greater than 6

79, 596

9 is ___ times greater than 9

95, 223

2 is ___ times greater than 2

82, 807

8 is ___ times greater than 8

8, 474

4 is ___ times greater than 4

433, 487

3 is ___ times greater than 3

NUMBER RELATIONSHIPS

Determine how many times larger the bolded number is than the underlined number. Write the number that correctly fills in the blank under the flap.

658, 359

times than

2, 260, 972

2 is ___ times greater than 2

97, 928, 184

9 is ___ times greater than 9

453, 708, 072

7 is ___ times greater than 7

5, 465, 617

6 is ___ times greater than 6

Multiple versions of most activities allow for differentiation.

ANSWER KEY

PLACE VALUE PUZZLES

1. The number in the thousands place is 100 times larger than the number in the tens place. **6,764**

2. The number in the ones place is 1,000 times smaller than the number in the thousands place. **94,284**

3. The number in the hundred thousands place is 100 times larger than the number in the thousands place. **2,171,955**

4. The number in the hundred thousands place is 100 times larger than the number in the hundreds place. **786,754**

5. The number in the tens place is 1,000 times smaller than the number in the ten thousands place. **483,680**

6. The number in the tens place is 10 times smaller than the number in the hundreds place. **3,995**

7. The number in the hundreds place is 10 times smaller than the number in the thousands place. **93,367**

8. The number in the millions place is 1,000 times larger than the number in the thousands place. **9,039,527**

PLACE VALUE PUZZLES

1. The number in the ten thousands place is 100 times smaller than the number in the millions place. **91,536,418**

2. The number in the ten thousands place is 10 times larger than the number in the thousands place. **762,028**

3. The number in the ten thousands place is 10 times larger than the number in the thousands place. **44,005**

4. The number in the hundred thousands place is 10 times smaller than the number in the millions place. **5,538,772**

5. The number in the ten thousands place is 1,000 times smaller than the number in the hundred thousands place. **836,285**

6. The number in the ten thousands place is 1,000 times smaller than the number in the hundred thousands place. **86,539,306**

7. The number in the millions place is 1,000 times larger than the number in the thousands place. **2,482,951**

8. The number in the ones place is 1,000 times smaller than the number in the thousands place. **89,159**

PLACE VALUE PUZZLES

1. The number in the ten thousands place is 100 times larger than the number in the hundreds place. **12,893,905**

2. The number in the ten thousands place is 100 times larger than the number in the hundreds place. **681,293,159**

3. The number in the millions place is 1,000 times smaller than the number in the billions place. **2,462,389,581**

4. The number in the millions place is 10 times larger than the number in the billions place. **5,119,779**

5. The number in the ten thousands place is 1,000 times smaller than the number in the hundred thousands place. **3,452,643**

6. The number in the ten thousands place is 1,000 times smaller than the number in the hundred thousands place. **9178,974,654**

7. The number in the millions place is 1,000,000 times larger than the number in the ten thousands place. **353,671,231**

8. The number in the ones place is 1,000,000 times smaller than the number in the hundred thousands place. **84,693,016**

ANSWER KEY

700,000,000 / 70,000,000 (7x)

2,300,000 / 230,000 (23x)

400,000,000 / 40,000,000 (4x)

20,000,000 / 2,000,000 (20x)

250,000,000 / 25,000,000 (25x)

170,000,000 / 17,000,000 (17x)

800,000,000 / 80,000,000 (8x)

Activity answer keys included for easy checking.