

1.3

Numbers Through Hundred Thousands

TEKS Number and Operations—3.2.B
Also 3.2.AMATHEMATICAL PROCESSES
3.1.C, 3.1.F

Essential Question

What relationships can you find in the place-value system?



Unlock the Problem



Connect You have learned how to find the value of a digit in a 5-digit number. You can use a pattern to find the value of a digit in any number.



Look at the patterns in the table.

ones	1
tens	10 ones = 10
hundreds	10 tens = 100
thousands	10 hundreds = 1,000
ten thousands	10 thousands = 10,000
hundred thousands	10 ten thousands = 100,000

What patterns do you see? _____

Try This! Use the place-value chart below to answer the questions.

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
	6	0	0	0	0
5	0	0	0	0	0

In 60,000

- how many ten thousands in all? _____
- how many thousands in all? _____
- how many hundreds in all? _____

In 500,000

- how many ten thousands in all? _____
- how many thousands in all? _____
- how many hundred thousands in all? _____

Share and Show



Use the place-value chart.

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
	4	0	0	0	0
7	0	0	0	0	0

Math Talk

Mathematical Processes

Describe the pattern you see in the chart.

In 40,000

1. how many ten thousands in all? _____
2. how many thousands in all? _____
3. how many hundreds in all? _____

In 700,000

4. how many hundred thousands in all? _____
5. how many thousands in all? _____
6. how many tens in all? _____

Problem Solving



Complete the sentences for 7–8.

The capital of Texas is Austin. In a recent year, there were 790,390 people living in Austin.

7. The digit _____ is in the hundred thousands place and has a value of _____.
8. The digit _____ is in the hundreds place and has a value of _____.
9. Write the number 790,390 in expanded form.

10. **H.O.T.** Explain how you can find the number of thousands in 790,390.







Name _____

1.3 Numbers Through Hundred Thousands

Use the table for 1–3.

1. How many ten thousands of red crayons were made?

Crayons Made at the Factory	
Color	Number of Crayons
Red	420,189
Purple	148,305
Blue	327,412

2. How many hundreds of purple crayons were made?

3. How many thousands of blue crayons were made?

4. Unscramble the place values.
Write the number in standard form.
4 hundreds + 5 tens +
7 ten thousands + 9 ones +
3 thousands + 1 hundred thousand.

5. Unscramble the place values. Write the number in standard form.
3 thousands + 4 ones + 8 hundred thousands + 7 hundreds + 5 ten thousands.

Problem Solving



6. Last year, a sticker factory made a total of 528,390 booklets of stickers. How many hundreds of booklets of stickers were made?

7. A trucking company shipped a total of 151,375 boxes of fruit across the county. How many thousands of boxes of fruit were shipped?



8. Deanna plays a video game and scores 73,492 points. Which digit is in the ten thousands place of her score?
- (A) 3
(B) 4
(C) 7
(D) 9
9. A newspaper company prints 15,980 copies in one day. Which digit is in the hundreds place?
- (A) 8
(B) 9
(C) 5
(D) 1
10. In one day, 125,683 people fly in and out of an airport in Texas. How many thousands of people fly in and out that day?
- (A) 5,000
(B) 5,683
(C) 25
(D) 125
11. In one week, 215,328 people visit the Grand Canyon. How many hundreds of people visit the canyon that week?
- (A) 300
(B) 53
(C) 2,153
(D) 528
12. **Multi-Step** A marble factory makes single marbles, then puts them in boxes of 10, cartons of 100, and crates of 1,000. How can the marble factory package 21,650 marbles?
- (A) 2 crates, 16 cartons, 50 boxes
(B) 21 crates, 60 cartons, 5 boxes
(C) 21 crates, 6 cartons, 5 boxes
(D) 2 crates, 10 cartons, 65 boxes
13. **Multi-Step** A company makes baseball cards in packs of 10, boxes of 100, and cases of 1,000. A store orders a total of 15,470 cards. How can the company fill the order in the exact amount?
- (A) 1 case, 5 boxes, 47 packs
(B) 1 case, 54 boxes, 7 packs
(C) 15 cases, 40 boxes, 7 packs
(D) 15 cases, 4 boxes, 7 packs