

Luna's Space Adventure

Name _____

Grade 3 · Numbers to 10,000 · 3.NOS.A.1

Date _____



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Words to numbers Write each number with digits.

eight thousand six hundred fifteen →

six thousand six hundred twenty →

six thousand six hundred seventy-six →

Expanded form Break it into thousands, hundreds, tens and ones. Then build one back.

1701 = + +

3561 = + + +

5000 + 700 + 80 + 5 =

Compare Start with the thousands. Write >, < or =.

5773 ○ 2563

4155 ○ 4175

4709 ○ 2522

9202 ○ 9302

5516 ○ 2493

7551 ○ 7550

Round it Look one place to the right. Five or more rounds up.

4447 to the nearest 100 4400 4500 6586 to the nearest 100 6500 6600

4152 to the nearest 100 4100 4200 7661 to the nearest 1,000 7000 8000

3945 to the nearest 1,000 3000 4000 7234 to the nearest 1,000 7000 8000

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ANSWER KEY



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Words to numbers Write each number with digits.

eight thousand six hundred fifteen → 8615

six thousand six hundred twenty → 6620

six thousand six hundred seventy-six → 6676

Expanded form Break it into thousands, hundreds, tens and ones. Then build one back.

1701 = 1000 + 700 + 1

3561 = 3000 + 500 + 60 + 1

5000 + 700 + 80 + 5 = 5785

Compare Start with the thousands. Write >, < or =.

5773 > 2563

4155 < 4175

4709 > 2522

9202 < 9302

5516 > 2493

7551 > 7550

Round it Look one place to the right. Five or more rounds up.

4447 to the nearest 100 4400 4500

6586 to the nearest 100 6500 6600

4152 to the nearest 100 4100 4200

7661 to the nearest 1,000 7000 8000

3945 to the nearest 1,000 3000 4000

7234 to the nearest 1,000 7000 8000

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GUIDE

① What this sheet practises

Reading and writing numbers up to 10,000 and knowing what each digit is worth. Your child writes numbers from words, breaks them into places, compares and rounds.

② A problem from the sheet, worked out

Expanded form Break it into thousands, hundreds, tens and ones. Then build one back.

$$1701 = 1000 + 700 + 1$$

$$3561 = 3000 + 500 + 60 + 1$$

$$5000 + 700 + 80 + 5 = 5785$$

How: Read each digit by its place. In 4306 the 4 is 4 thousands, the 3 is 3 hundreds, the 0 means no tens and the 6 is 6 ones: $4000 + 300 + 6$.

③ Words to know

digit one of the symbols 0 to 9

place value what a digit is worth from where it sits

expanded form a number written as the sum of its places

round change to a nearby, easier number

④ Watch for

- Writing “four thousand six” as 406 instead of 4006: a zero holds each empty place.
- Writing the 2 in 1027 as 2 in expanded form: it's worth 20.
- Comparing by the last digits instead of starting with the thousands.

⑤ Where it fits

BEFORE

2.NBT.A.4

Compare three-digit numbers using $>$, $=$ and $<$.

THIS SHEET

3.NOS.A.1

Read, write, round and compare whole numbers within 10,000.

NEXT

4.NBT.A.2

Read, write and compare multi-digit numbers.

⑥ Helping at home

Read four-digit numbers you see out loud: a year, a car's miles, a high score. Ask what each digit is worth, then which of two numbers is bigger.