# Nebraska NSCAS 4th Grade Math Workbook

Comprehensive Practice, Challenging Exercises, and Strategic Guidance for Complete Test-Day Confidence




- Strengthen Every Key Skill
- Sharpen Math Skills the Smart Way
- Essential Practice for Real Growth



Practice NSCASer Achieve

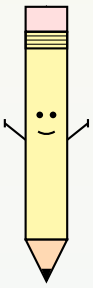
Reza Nazari

# Nebraska NSCAS Growth Grade 4 Math Workbook

*Comprehensive Practice, Challenging Exercises, and Strategic Guidance for Complete Test-Day Confidence*



**Professor Owl**



**Pip**

*with Professor Owl and Pip*

Reza Nazari

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## Effortless Math Education Inc

Published by Effortless Math Education

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### ★ Nebraska Sports Teams — Math on the Field! ★

- ★ **Nebraska Cornhuskers (Football)** — Husker football is a religion in Nebraska! Coaches use **statistics and percentages** to design plays, and fans use **addition and place value** every game.
- ★ **Omaha Storm Chasers (Minor League Baseball)** — Scorekeepers use **decimals and fractions** to track batting averages and pitching stats for Kansas City Royals prospects.
- ★ **College World Series (Omaha)** — Omaha hosts the NCAA Baseball Championship every year! Tournament officials use **data, elapsed time, and decimals** to manage games and standings.
- ★ **Nebraska Volleyball** — Nebraska's women's volleyball program is one of the nation's best! Coaches track **statistics and decimals** to measure hitting percentages and service aces.

**The math skill?** Master **data, decimals, statistics, and measurement** — think like a Nebraska sports champion!





Math master! Scan it!

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## ★ Nebraska Careers — Your Math Future is Bright! ★

**Nebraska needs math-smart people in every career!**

- ★ **Agricultural Scientist** — **Area, multiplication, and data** to improve Nebraska's corn, soybean, and cattle production that feeds millions of people.
- ★ **Insurance Analyst (Mutual of Omaha)** — **Data, fractions, and large numbers** to calculate risk and protect families and businesses across the country.
- ★ **Food Processing Engineer** — **Fractions, measurement, and large numbers** to process beef and grain into products shipped to every corner of the world.
- ★ **Civil Engineer** — **Geometry, area, and measurement** to design Nebraska's irrigation systems, highways, and farm infrastructure.
- ★ **Meteorologist** — **Decimals, data, and measurement** to forecast Nebraska's weather and track severe storms across the Great Plains.

## ★ The Skills in This Workbook Are Nebraska's Future! ★

Every worksheet you finish and every problem you solve is building the Nebraska that tomorrow needs. You are not just learning math — **you are becoming the engineer, the doctor, the coach, the scientist, or the leader** Nebraska is counting on!

**Now let's dive in — Nebraska is rooting for you! ★**

**Ready to show what you know?** Turn the page and let's get started. Every problem you solve brings you one step closer to an incredible future right here in the great state of Nebraska!

*The Cornhusker State needs* ***math champions like you!***

# Grade 4 Math Online Center

No logins. No paywalls. Everything in one place.

**What's inside:**

- Quick-reference lessons aligned to Grade 4 standards
- Printable worksheets for every unit in this book
- Progress trackers and answer keys for families and teachers

**How to use it:**

1. Open the site and pick the topic you want to practice
2. Download or print the matching worksheet—ready to go
3. After your next test, visit the Quick Check page for your next focus




**EffortlessMath.com/grade4**

Open 24/7 for learners, families, and teachers

## Subtracting Multi-Digit Numbers

**Subtract 52,413 − 28,675**

| | TTh | Th | H | T | O |
|---|---|---|---|---|---|
| | 5 | 2 | 4 | 1 | 3 |
| − | 2 | 8 | 6 | 7 | 5 |
| | 2 | 3 | 7 | 3 | 8 |

**Steps to Subtract**

1. **Ones**: Can't do $3 - 5$ Regroup: $13 - 5 = 8$
2. **Tens**: Can't do $0 - 7$ Regroup: $10 - 7 = 3$
3. **Hundreds**: $3 - 6$? Regroup! $13 - 6 = 7$
4. Continue left for all places

**Answer: 52,413 − 28,675 = 23,738**

### ✎ Practice Questions

**Subtract.**

**1.** 67,842 − 34,521 = _____

**2.** 85,230 − 47,618 = _____

**3.** 43,005 − 18,267 = _____

**4.** 90,000 − 36,478 = _____

**5.** 172,500 − 89,375 = _____

**6.** 500,000 − 234,167 = _____

**Find the missing number.**

**7.** 80,000 − _____ = 45,250

**8.** _____ − 27,650 = 52,350

**9.** 150,000 − _____ = 68,425

**10.** _____ − 145,300 = 254,700

### Challenge!

**11.** A city has 125,400 residents. During the year, 8,375 people moved away and 6,210 new people moved in. What is the new population? _____ residents

**12.** A warehouse had 500,000 boxes. It shipped 127,850 boxes in week 1 and 98,425 in week 2. Then it received 45,000 new boxes. How many boxes are in the warehouse now?

_____



*"Top digit too small? Borrow from your left neighbor! Add 10 to the little guy, pay back 1 to the neighbor—it's like asking a friend for change. "Can I break a ten?" Yes, you can! Regroup and conquer!"*





Fraction pro! Scan here!

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## Estimating Sums and Differences

### Estimating Sums

**Estimate:** $4{,}723 + 3{,}189$

Round to nearest 1,000:

$5{,}000 + 3{,}000 \approx$ **8,000**

### Estimating Differences

**Estimate:** $8{,}412 - 2{,}678$

Round to nearest 1,000:

$8{,}000 - 3{,}000 \approx$ **5,000**

**Steps:** 1) Round each number 2) Add or subtract the rounded numbers

## ✎ Practice Questions

**Estimate each sum by rounding to the nearest 1,000.**

**1.** $3{,}412 + 5{,}287 \approx$ _____ **2.** $7{,}650 + 4{,}180 \approx$ _____ **3.** $12{,}345 + 8{,}712 \approx$ _____

**Estimate each difference by rounding to the nearest 1,000.**

**4.** $9{,}823 - 4{,}156 \approx$ _____ **5.** $15{,}480 - 7{,}320 \approx$ _____ **6.** $42{,}750 - 18{,}200 \approx$ _____

**Estimate by rounding to the nearest 100.**

**7.** $4{,}235 + 2{,}870 \approx$ _____ **8.** $6{,}518 - 2{,}467 \approx$ _____ **9.** $8{,}045 + 3{,}682 \approx$ _____

**Estimate, then solve. Is your answer reasonable?**

**10.** $6{,}475 + 3{,}218$

Estimate: _____ Exact: _____

**11.** $15{,}300 - 8{,}745$

Estimate: _____ Exact: _____

## Challenge!

**12.** Ava has \$8,475. She wants to buy a laptop for \$3,289 and a printer for \$4,150. Estimate to see if she has enough, then find the exact total.

Estimate: _____ Exact: _____

**13.** A store's weekend sales were \$12,845 on Saturday and \$9,672 on Sunday. Estimate the total sales, then find the exact amount. Estimate: _____ Exact: _____



*"Round first, then calculate—like a quick "ballpark" before the real game! If your exact answer is way off from your estimate, something's fishy. Time to double-check. Your estimate is your answer's best friend!"*

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Keep trying! Scan here!



## Word Problems: Addition and Subtraction

### Addition Clue Words

**in all · total · altogether · sum**
**combined · both · how many more**
(sometimes)

**Example:** *12,450 fans Saturday, 9,875 Sunday. How many in all?*
$12{,}450 + 9{,}875 = 22{,}325$

### Subtraction Clue Words

**left · remain · difference · fewer**
**how many more · take away · less**

**Example:** *Had 45,000 tickets, sold 28,340. How many left?*
$45{,}000 - 28{,}340 = 16{,}660$

### ✎ Practice Questions

**Solve each word problem. Show your work.**

**1.** A factory made 24,560 toys in January and 31,475 toys in February. How many toys were made in both months combined? _____

**2.** A city library has 85,240 books. The county library has 67,385 books. How many more books does the city library have? _____

**3.** A school raised $15,250 from a bake sale and $22,480 from a fun run. How much did they raise altogether? _____

**4.** A store had 42,000 items in stock. They sold 18,725 items during a sale. How many items are left? _____

**5.** Town A has a population of 56,320. Town B has 43,875. What is the total population of both towns? _____

### Challenge!

**6.** A zoo had 125,600 visitors last year. This year, 18,450 fewer people visited. How many visitors came this year? _____

**7.** A city has 125,400 residents. During the year, 8,375 people moved away and 6,210 new people moved in. What is the new population? _____ residents



*"Word problems are like treasure hunts—the clue words are the X! "Total," "altogether," "in all"? Add! "Left," "remain," "difference"? Subtract! Underline them like a detective. Case closed!"*





Math power! Scan now!
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