# New York NYSTP 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 Master Achieve

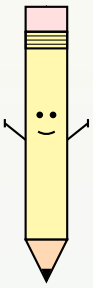
Reza Nazari

# New York NYSTP 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

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## ★ New York Sports Teams — Math on the Field! ★

- ★ **New York Yankees (MLB Baseball)** — The most storied franchise in baseball history! Batting averages, home run totals, and ERAs are tracked using **fractions, decimals, and data**.
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- ★ **Buffalo Bills (NFL Football)** — Coaches use **statistics and percentages** to design championship plays, while fans use **addition and place value** to follow every score.
- ★ **New York Marathon** — The world's largest marathon draws 50,000 runners! Athletes use **decimals, elapsed time, and fractions** to track pace per mile across all 5 boroughs.

**The math skill?** Master **data, decimals, elapsed time, and statistics** — think like a New York sports champion!





Math power! Scan now!

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## ★ New York Careers — Your Math Future is Bright! ★

**New York needs math-smart people in every career!**

- ★ **Financial Analyst (Wall Street) — Large numbers, decimals, and data** to manage trillions of dollars in the financial capital of the world.
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- ★ **Film & Media Producer — Fractions, budgeting, and measurement** to plan shoots, manage schedules, and produce the entertainment that New York is famous for.

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

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

**Now let's dive in — New York 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 New York!

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

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$4^{th}$ grade star! Scan now!



# 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!"*





Math master! Scan it!

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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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Don't give up! Scan help!



## 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!"*





Practice more? Scan here!

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