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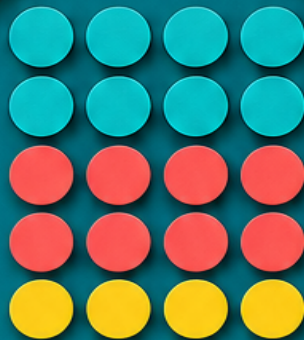
Texas STAAR

Grade 3 Math

Made Easy



$$\frac{2}{3}$$



Workbook



Dr. A. Nazari

2027



Texas STAAR Grade 3 Math Workbook

Practice Problems & Exercises with Answer Key

Dr. A. Nazari

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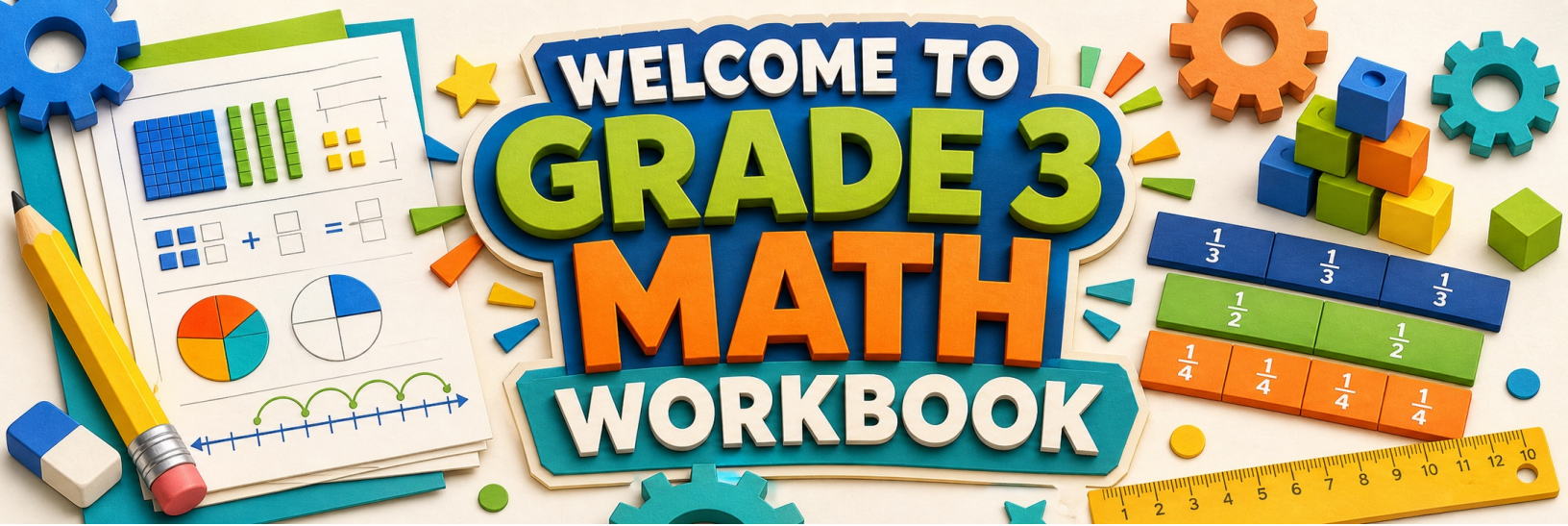
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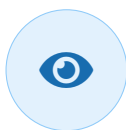
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Questions and correction reports: info@ahawhy.com



This is your math workshop—a place to solve, draw, explain, and build strong Grade 3 skills.



Notice

Look closely at examples, patterns, labels, and important information.



Work

Solve with equations, pictures, models, tables, and number lines.



Improve

Check each answer, fix the step that went wrong, and try again.



Start



Practise



Learn



Grow

Strong math skills are built one well-worked page at a time.



Use each workbook page as a small practice workshop.

1

Look at the example.

Notice the math tool, the order of the steps, and how the final answer is labelled.

2

Solve and show your work.

Write clearly enough that you can follow your own thinking from start to finish.

3

Check the answer.

Use estimation, an inverse operation, or the answer key to decide whether it makes sense.

4

Correct and repeat.

Fix the first step that caused trouble, then solve one more problem using the same skill.

Mistakes are workshop clues—they show exactly what to practise next.

Grade 3 Math Toolbox

Quick reminders for practice—choose the tool that fits the problem.



CHOOSE AN OPERATION



Add

sum, total, in all



Subtract

difference, fewer, left



Multiply

equal groups, each, rows



Divide

share equally, groups of

Place Value & Rounding

10,000s	1,000s	100s	10s	1s
4	3	5	8	2

In 43,582, the 3 is worth 3,000.

To round: underline the place, then look one digit right.

0–4: keep it

5–9: round up



Measurement & Time

1 foot = 12 inches

1 meter = 100 cm

1 hour = 60 min

\$1 = 100 cents

1 yard = 3 feet

1 kg = 1,000 g

1 minute = 60 sec

4 quarters = \$1



Fractions



$$\frac{2}{4} = \frac{1}{2}$$

Top number: selected equal parts

Bottom number: total equal parts



Math Relationships

Multiplication and division undo each other:

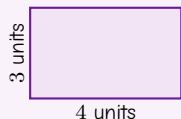
$$4 \times 6 = 24 \quad 24 \div 6 = 4$$

Addition and subtraction undo each other:

$$37 + 25 = 62 \quad 62 - 25 = 37$$



Geometry



Perimeter is the distance around.

$$P = 4 + 4 + 3 + 3 = 14 \text{ units}$$

Area is the space inside.

$$A = 4 \times 3 = 12 \text{ square units}$$



Solve It Step by Step

READ

What do I know? What is the question asking?

PLAN

Which operation, picture, or model will help?

SOLVE

Show the steps and label the answer.

CHECK

Is the answer reasonable? Is the unit correct?



Compare

= same value > greater than < less than

Multiplication Table

You may use this table during your practice tests!

×	1	2	3	4	5	6	7	8	9	10	11
1	1	2	3	4	5	6	7	8	9	10	11
2	2	4	6	8	10	12	14	16	18	20	22
3	3	6	9	12	15	18	21	24	27	30	33
4	4	8	12	16	20	24	28	32	36	40	44
5	5	10	15	20	25	30	35	40	45	50	55
6	6	12	18	24	30	36	42	48	54	60	66
7	7	14	21	28	35	42	49	56	63	70	77
8	8	16	24	32	40	48	56	64	72	80	88
9	9	18	27	36	45	54	63	72	81	90	99
10	10	20	30	40	50	60	70	80	90	100	110
11	11	22	33	44	55	66	77	88	99	110	121

How to Use This Table

To find 4×7 :

1. Find **4** in the left column (blue).
2. Find **7** in the top row (blue).
3. Follow the row and column until they meet: the answer is **28**!

My Workbook Progress

Finish a chapter, record your result, and choose what to review next.

Name: _____

Goal: _____

Chapter Checkpoints

Ch.	Math Focus	Done	Score	One Skill to Review
1	Number Sense & Place Value	☐	_____	_____
2	Addition & Subtraction	☐	_____	_____
3	Multiplication & Division	☐	_____	_____
4	Fractions	☐	_____	_____
5	Time, Measurement & Money	☐	_____	_____
6	Data & Graphs	☐	_____	_____
7	Geometry	☐	_____	_____

★ What Is Improving?

→ My Next Practice Step



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Here's what we'll explore together!

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CHAPTER

1

Number Sense & Place Value

★ What's Inside ★

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★ 1.1 Place Value: Ones, Tens, Hundreds ★

Quick Review: Place Value

Place value tells us how much a digit is worth based on where it sits in a number.

- The **hundreds** place is on the left: it means groups of 100.
- The **tens** place is in the middle: it means groups of 10.
- The **ones** place is on the right: it means single units.

Example: In the number **527**: 5 hundreds = 500, 2 tens = 20, 7 ones = 7.

Expanded form: $527 = 500 + 20 + 7$

Warm-Up

Name the Place

What place is the underlined digit in? Write **hundreds**, **tens**, or **ones**.

1. 456 _____

4. 604 _____

2. 783 _____

5. 901 _____

3. 219 _____



 What Is the Value?

Write the Value of the Underlined Digit

6. $\underline{5}$ 73 _____

9. $\underline{8}$ 02 _____

7. 248 _____

10. 307 _____

8. 916 _____

11. 651 _____

Write in Expanded Form

12. $483 =$ _____

13. $615 =$ _____

14. $907 =$ _____

15. $350 =$ _____

 Write the Standard Form

Write the number in standard form (the normal way).

16. $200 + 40 + 5 =$ _____

18. $500 + 0 + 2 =$ _____

17. $700 + 10 + 8 =$ _____

19. $100 + 90 + 9 =$ _____



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 True or False?

20. In 572, the digit 7 has a value of 70.

True ☐ False ☐

21. In 843, the digit 8 is in the tens place.

True ☐ False ☐

22. The expanded form of 405 is $400 + 0 + 5$.

True ☐ False ☐

23. $300 + 20 + 6 = 326$

True ☐ False ☐

 Word Problems

24. A library has 573 books. What is the value of the digit 5 in 573?

Answer: _____

25. Maya collected 268 stickers. Write this number in expanded form.

Answer: _____

26. Jake says the number with 4 hundreds, 0 tens, and 9 ones is 49. Is Jake correct? Explain.

Answer: _____

 Challenge!

27. I am a 3-digit number. My hundreds digit is double my ones digit. My tens digit is 5. My ones digit is 3. What number am I? _____

28. Using the digits 2, 7, and 4 (each used once), what is the **largest** 3-digit number you can make?



★ 1.2 Place Value: Thousands ★

Quick Review: Place Value to Thousands

Numbers can have **four digits!** The places from left to right:

Thousands $\xrightarrow{\times 10}$ **Hundreds** $\xrightarrow{\times 10}$ **Tens** $\xrightarrow{\times 10}$ **Ones**

- Each place is **10 times** the place to its right.
- Use a **comma** after the thousands digit: 6,835.
- **Expanded form:** $4,279 = 4,000 + 200 + 70 + 9$.
- **To compare:** Start at the leftmost digit. The first digit that is different tells you which number is greater.

Warm-Up

Name the Place

What place is the underlined digit in?

1. 3,514 _____

4. 2,837 _____

2. 7,289 _____

5. 9,005 _____

3. 5,461 _____



 What Is the Value?

Write the Value of the Underlined Digit

6. $\underline{6}$,412 _____

9. 5,204 _____

7. 3,750 _____

10. 1,008 _____

8. 8,193 _____

11. 4,067 _____

 Expanded Form

Write in Expanded Form

12. $5,236 =$ _____

13. $8,041 =$ _____

14. $3,700 =$ _____

15. $9,999 =$ _____

Write the Standard Form

16. $7,000 + 300 + 20 + 5 =$ _____

18. $4,000 + 500 + 8 =$ _____

17. $2,000 + 60 + 1 =$ _____

19. $6,000 + 100 + 90 =$ _____



 Compare and Order Write $<$, $>$, or $=$

20. 3,456 _____ 3,465

22. 5,005 _____ 5,005

21. 7,200 _____ 7,020

23. 8,910 _____ 9,810

Order from Least to Greatest

24. 4,512, 4,251, 4,521

25. 6,089, 6,908, 6,098

 True or False?

26. In 3,456, the digit 3 is worth 300.

True ☐ False ☐27. $5,009 > 5,090$ True ☐ False ☐

28. The number 8,230 has a 0 in the ones place.

True ☐ False ☐29. $4,000 + 70 + 2 = 4,720$ True ☐ False ☐

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Word Problems

30. A school has 2,475 students. What is the value of the digit 2 in 2,475?

Answer: _____

31. Town A has 3,870 people and Town B has 3,780 people. Which town has more people?

Answer: _____

Challenge!

32. I am a 4-digit number. My thousands digit is 3. My hundreds digit is twice my thousands digit. My tens digit is 0, and my ones digit is 7. What number am I? _____

33. Using the digits 1, 5, 8, and 3 (each used once), what is the **largest** 4-digit number you can make? _____ What is the **smallest**? _____



★ 1.3 Comparing & Ordering Numbers ★

Quick Review: Comparing Numbers

Use these symbols to compare two numbers:

- $<$ means **less than** (the smaller number goes first)
- $>$ means **greater than** (the bigger number goes first)
- $=$ means **equal to** (both sides are the same)

How to compare: Start from the **left**. Compare the biggest place value first. If they match, move right to the next digit.

Example: $487 \bigcirc 523 \rightarrow$ Hundreds: $4 < 5$, so $487 < 523$.

Warm-Up

Compare: Write $<$, $>$, or $=$

1. $356 \underline{\hspace{1cm}} 412$

4. $199 \underline{\hspace{1cm}} 201$

2. $789 \underline{\hspace{1cm}} 789$

5. $1,000 \underline{\hspace{1cm}} 999$

3. $650 \underline{\hspace{1cm}} 605$

