Shell Education
A Division of Teacher Created Materials

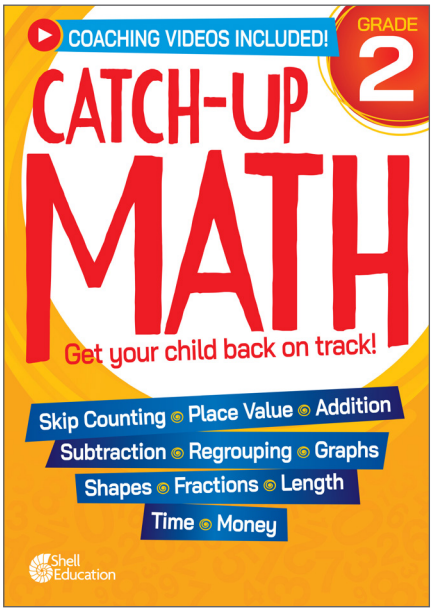
CATCH-UP MATH

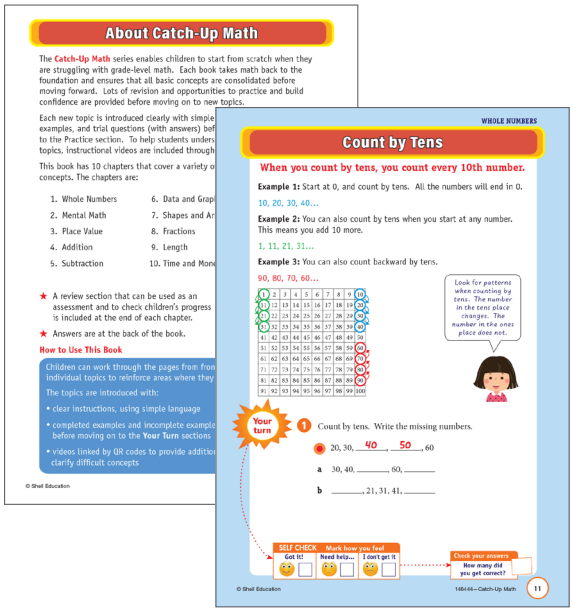
Get your child back on track!

Lessons and Activities

2nd Grade

Table of Contents





COACHING VIDEOS INCLUDED!

GRADE 2

CATCH-UP MATH

Get your child back on track!

Skip Counting ◎ Place Value ◎ Addition

Subtraction ◎ Regrouping ◎ Graphs

Shapes ◎ Fractions ◎ Length

Time ◎ Money

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Contents

Contents

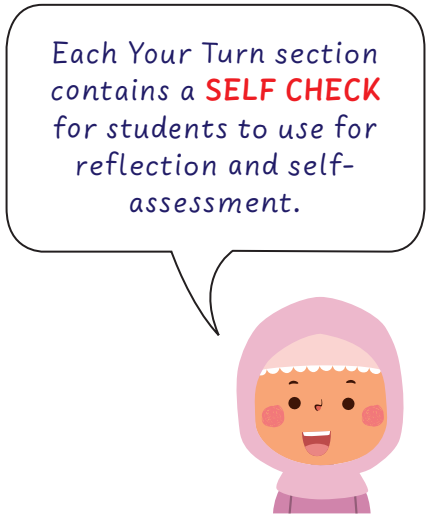
About Catch-Up Math

The **Catch-Up Math** series enables children to start from scratch when they are struggling with grade-level math. Each book takes math back to the foundation and ensures that all basic concepts are consolidated before moving forward. Lots of revision and opportunities to practice and build confidence are provided before moving on to new topics.

Each new topic is introduced clearly with simple explanations, examples, and trial questions (with answers) before children move to the Practice section. To help students understand difficult topics, instructional videos are included throughout the book.

This book has 10 chapters that cover a variety of mathematical concepts. The chapters are:

1. Whole Numbers
2. Mental Math
3. Place Value
4. Addition
5. Subtraction
6. Data and Graphs
7. Shapes and Arrays
8. Fractions
9. Length
10. Time and Money



★ A review section that can be used as an assessment and to check children's progress is included at the end of each chapter.

★ Answers are at the back of the book.

How to Use This Book

Children can work through the pages from front to back or choose individual topics to reinforce areas where they are struggling.

The topics are introduced with:

- clear instructions, using simple language
- completed examples and incomplete examples for students to tackle before moving on to the **Your Turn** sections
- videos linked by QR codes to provide additional instruction and clarify difficult concepts

How to Use the QR Codes in Catch-Up Math

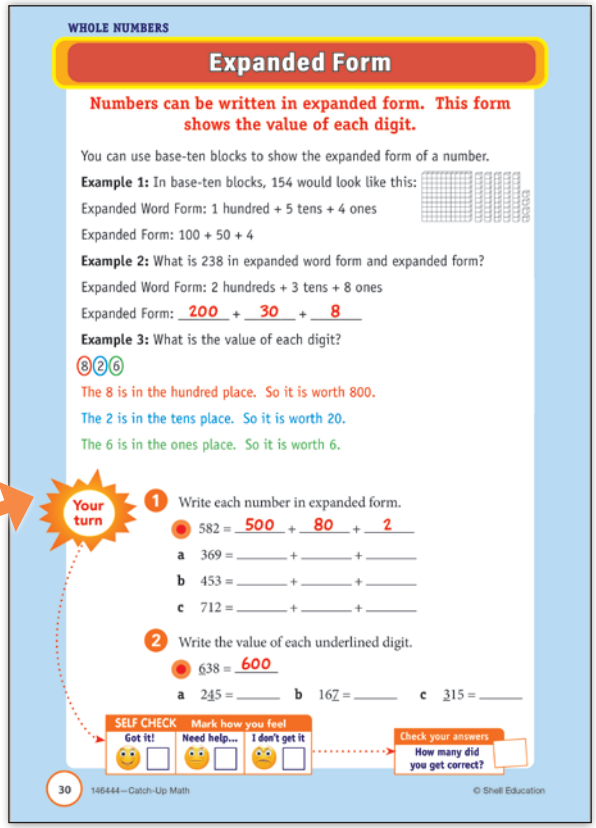
A unique aspect of the **Catch-Up Math** series is the instructional videos.

The videos further explain and clarify various mathematical concepts. The videos are simply accessed via QR codes and can be watched on a phone or tablet. Or, view all the videos by following this

Each video shows the page from the book. An instructor talks through the concepts and examples and demonstrates what children need to do. The solutions to the examples are presented before children tackle the **Your Turn** sections. This careful instruction ensures that children can confidently move on to the following Practice questions. Children should be encouraged to check their **Your Turn** answers before moving on.

10 instructional videos included!

After watching the video, children can confidently complete the **Your Turn** section.



Read and Write Whole Numbers

Whole numbers are the numbers that you count. A whole number is made up of digits.

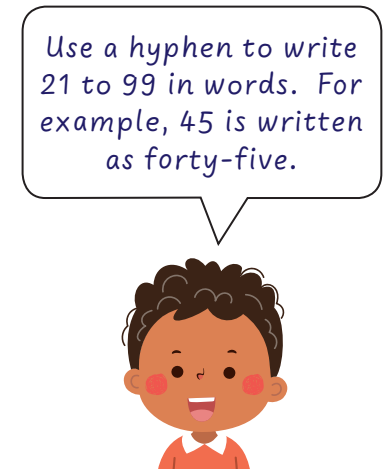
Numbers are often shown as digits, such as 1, 2, and 3. Numbers can also be shown as words. The number 22 can be written as *twenty-two*.

Example 1: Write 156 in words. one hundred fifty-six

Example 2: Write seventy-two as a number. 72

Use these terms to write numbers in word form.

Tens	Ones
ten	one
twenty	two
thirty	three
forty	four
fifty	five
sixty	six
seventy	seven
eighty	eight
ninety	nine



Your turn

1 Write the numbers or words.

- 154 one hundred fifty-four
- **a** 46 _____
- **b** _____ two hundred twenty
- **c** 88 _____
- **d** _____ seventy-three

SELF CHECK Mark how you feel

Got it!	Need help...	I don't get it
☐	☐	☐

Check your answers

How many did you get correct? ☐

Practice

1 Write the words as numbers.

- twenty-five 25
- **a** ninety-two _____
- **b** sixty-five _____
- **c** twenty-three _____
- **d** twelve _____
- **e** ninety-nine _____
- **f** fifty-nine _____
- **g** one hundred thirty-four _____
- **h** two hundred seventy-two _____
- **i** three hundred forty _____
- **j** one hundred seven _____
- **k** five hundred eleven _____

2 Write the numbers as words.

- 43 forty-three
- **a** 31 _____
- **b** 87 _____
- **c** 25 _____
- **d** 55 _____
- **e** 60 _____
- **f** 143 _____
- **g** 215 _____
- **h** 378 _____
- **i** 201 _____
- **j** 450 _____

Count by Tens

When you count by tens, you count every 10th number.

Example 1: Start at 0, and count by tens. All the numbers will end in 0.

10, 20, 30, 40...

Example 2: You can also count by tens when you start at any number. This means you add 10 more.

1, 11, 21, 31...

Example 3: You can also count backward by tens.

90, 80, 70, 60...

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Your turn

1 Count by tens. Write the missing numbers.

- 20, 30, 40, 50, 60
- **a** 30, 40, _____, 60, _____
- **b** _____, 21, 31, 41, _____

SELF CHECK Mark how you feel

Got it!	Need help...	I don't get it
☐	☐	☐

Check your answers

How many did you get correct? ☐

Practice

1 Count forward by tens. Write the missing numbers.

- 10, 20, 30, 40, 50, 60
- **a** 30, _____, 50, _____ 70, 80
- **b** 10, _____, _____, 40, _____, _____
- **c** 20, _____, _____, _____, 60, 70
- **d** 50, _____, _____, _____, 90, 100
- **e** 40, _____, _____, _____, _____, 90

2 Count backward by tens. Write the missing numbers.

- 80, 70, 60, 50, 40, 30
- **a** 70, _____, _____, 40, 30, _____
- **b** 90, 80, _____, _____, 50, 40
- **c** 40, _____, _____, _____, 0
- **d** 80, _____, 60, _____, 40, _____
- **e** 60, _____, _____, _____, _____, 10

3 Count by tens to complete each column in the hundred chart.

1	2	3	4		6	7	8	9	10
11	12	13	14		16	17			20
21		23	24		26	27	28		30
31		33	34			37			
41		43	44	45		47	48		
51		53	54	55		57			
61			64	65	66	67	68	69	
71			74	75	76			79	
81			84	85	86		88	89	
91		93	94	95	96			99	