

CATCH-UP MATH

Get your child back on track!

Lessons and Activities

1st Grade

Table of Contents

Cover (1 page)

Table of Contents (2 pages)

About Catch-Up Math (1 page)

How to Use the QR Codes in Catch-Up Math (1 page)

Lesson Pages (4 pages)

COACHING VIDEOS INCLUDED!

GRADE 1

CATCH-UP MATH

Get your child back on track!

Counting • Place Value • Addition
• Subtraction • Word Problems
Measurement • Graphs • Shapes
Fractions • Time • Money

Shell Education

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 basics and provides the skills and concepts children need 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 examples and then children can practice the skills in the activities and then move to the Practice section. To help students with difficult topics, instructional videos are included in the book.

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

1. Counting	6. Data and G
2. Place Value	7. Time
3. Addition	8. Money
4. Subtraction	9. Shapes
5. Measurement	10. Fractions

* A review section that can be used as an assessment and to check children's progress 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 choose individual topics to reinforce areas struggling.

The topics are introduced with:

- clear instructions, using simple language
- completed examples and incomplete exercises to tackle before moving on to the next section
- videos linked by QR codes to provide additional instruction and clarify difficult concepts

© Shell Education

COUNTING

3 Count the hearts. Draw a line to the matching number.

a	15
b	16
c	17
d	18
e	20

© Shell Education

12 146443—Catch-Up Math



COACHING VIDEOS INCLUDED!

GRADE

1

CATCH-UP MATH

Get your child back on track!

Counting ◯ Place Value ◯ Addition

◯ Subtraction ◯ Word Problems

Measurement ◯ Graphs ◯ Shapes

Fractions ◯ Time ◯ Money

Contents

About Catch-Up Math	5
How to Use the QR Codes in Catch-Up Math	6
Math Skills	7

1. COUNTING

Write Numbers 0–20	9
Count Forward to 120	13
Count Objects	15
More or Less?	17
Use a Hundred Chart	20
Count by 10s	22
Counting Review	24

2. PLACE VALUE

Digits	27
Ones Place	29
Tens Place	31
Multiples of 10	33
Tens and Ones to 99	35
Greater Than, Less Than, Equal To	39
Compare Numbers to 19	41
Compare Numbers to 99	44
10 More	47
10 Less	50
Place Value Review	53

3. ADDITION

Addition Within 10	59
Equal Sign and Plus Sign	61
Draw a Picture	63
Use Your Fingers	66
Count On	68
Make a 10	71
Use a Number Line	74

3. ADDITION (cont.)

Tally Marks	77
Doubles	80
Add in Any Order	82
Addition: True or False?	84
Add 3 Numbers	87
2 Digits Plus 1 Digit	90
2 Digits Plus Multiples of 10	93
Vertical Addition	95
Make a 10 with 2-Digit Numbers	97
Use Pictures to Make a 10	100
Use Numbers to Make a 10	103
Addition Word Problems	106
Word Problems with 3 Numbers	108
Addition Review	110

4. SUBTRACTION

Model Subtraction	120
Equal Sign and Subtraction Sign	122
Draw a Picture	124
Use Your Fingers	127
Count Back	129
Use a Number Line	132
Use Addition Facts	135
Fact Families	138
Subtraction: True or False?	141
Subtraction Within 10	144
Subtraction Within 20	146
Subtraction Word Problems	148
Subtraction Review	150

Contents

5. MEASUREMENT

Compare Length	156
Compare Weight	159
Use a Unit of Length	161
Measure in Inches	163
Measurement Review	166

6. DATA AND GRAPHS

Classify Objects	169
Picture Graphs	171
Bar Graphs	174
Questions About Graphs	177
Make Graphs	180
Data and Graphs Review	183

7. TIME

Time to the Hour: Analog Time	188
Time to the Hour: Digital Time	191
Time to the Half-Hour: Analog Time	193
Time to the Half-Hour: Digital Time	196
Time Review	198

8. MONEY

Pennies	200
Nickels	202
Dimes	204
Quarters	206
Make a Dollar	208
Money Review	210

9. SHAPES

Positions	212
Sides and Vertices	215
Attributes	217
2D and 3D Shapes	219
Make Shapes	222
Shapes Review	225

10. FRACTIONS

Equal Parts	228
Halves	230
Fourths	232
Fractions Review	234

ANSWERS

1 Counting Answers	236
2 Place Value Answers	238
3 Addition Answers	242
4 Subtraction Answers	249
5 Measurement Answers	253
6 Data and Graphs Answers ..	254
7 Time Answers	256
8 Money Answers	258
9 Shapes Answers	259
10 Fractions Answers	262

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. Counting	6. Data and Graphs
2. Place Value	7. Time
3. Addition	8. Money
4. Subtraction	9. Shapes
5. Measurement	10. Fractions

- ★ 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.

Each Your Turn section contains a **SELF CHECK** for students to use for reflection and self-assessment.



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 a 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.

COUNTING

Use a Hundred Chart

A hundred chart is a math tool. It shows the numbers from 1 to 100. You can use it to count by ones and tens.

The hundred chart starts with 1. Each row has 10 numbers. Moving one space down is like adding 10. It ends with 100.

Your turn

1 Look at part of the hundred chart. Write the missing numbers.

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

What patterns do you see in the hundred chart?

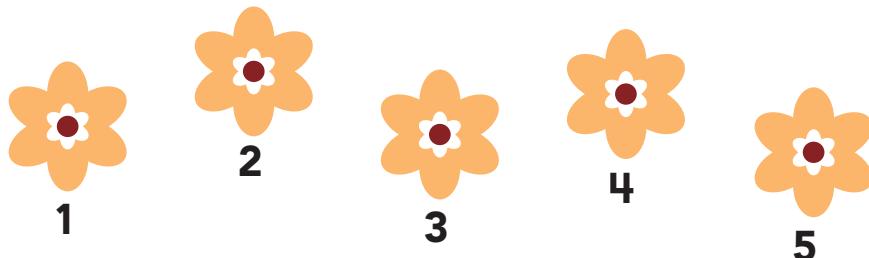
SELF CHECK Mark how you feel!

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

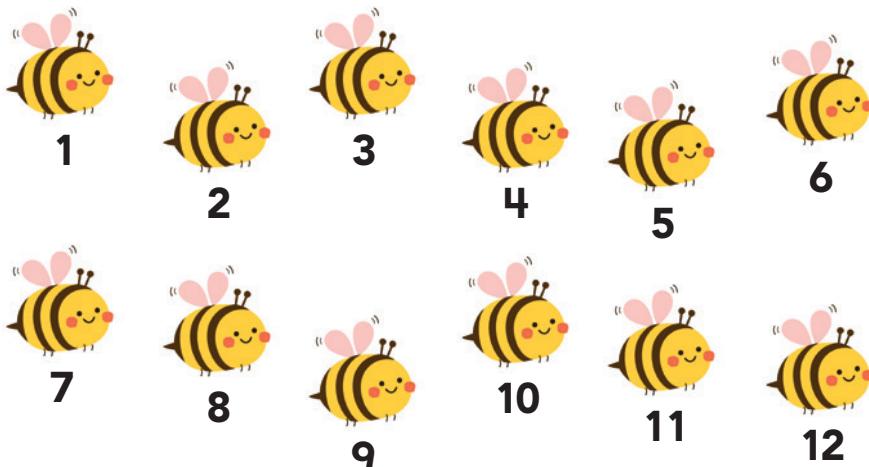
20 146443—Catch-Up Math © Shell Education

Write Numbers 0-20

Write numbers to show how many there are.



5



12

Your turn

Count each object. Write how many.



8

Count carefully! Each object should only be counted once.



8

SELF CHECK Mark how you feel

Got it!



Need help...

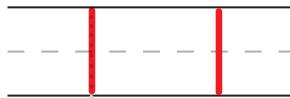


I don't get it



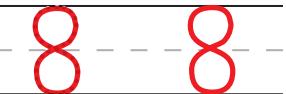


1 Count the stars. Trace the numbers. Then, write them on your own.



2

Count the flowers. Trace the numbers. Then, write them on your own.



a



b



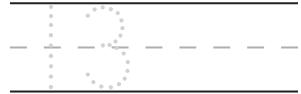
c



d



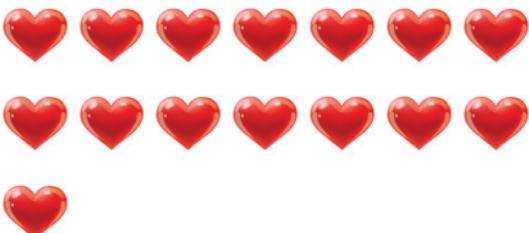
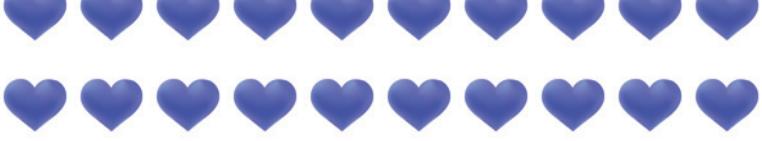
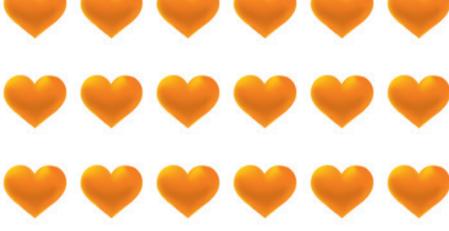
e



f



3 Count the hearts. Draw a line to the matching number.

			15
			16
		17	
		18	
			19
			20