Math in Our World

Student Workbook
# Math in Our World

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Math in Our World
Student Workbook
Core Knowledge Mathematics™
Lesson 1: Explore Connecting Cubes

- Let’s explore connecting cubes.

Warm-up: Notice and Wonder: Connecting Cubes

What do you notice?
What do you wonder?
Lesson 2: Explore Pattern Blocks

- Let’s explore pattern blocks.

Warm-up: Notice and Wonder: Pattern Blocks
What do you notice?
What do you wonder?
Lesson 3: Explore Two-color Counters and 5-frames

- Let’s explore two-color counters and 5-frames.

Warm-up: Notice and Wonder: Counters and 5-frames

What do you notice?
What do you wonder?
3.1: Explore Counters and 5-frames
Let’s explore two-color counters and 5-frames.
Lesson 4: Explore Geoblocks

- Let’s explore geoblocks.

Warm-up: Notice and Wonder: Geoblocks

What do you notice?
What do you wonder?
4.2: Introduce Geoblocks, Build to Match

Use blocks to build a house.
Lesson 5: Explore Math Tools

- Let’s explore our math tools.

Warm-up: Notice and Wonder: Using Different Tools

What do you notice?
What do you wonder?
5.1: Introduce Connecting Cubes, Build to Match
5.2: Introduce Pattern Blocks, Puzzles
5.3: Centers: Choice Time

Choose a center.

Geoblocks

Connecting Cubes

Pattern Blocks
Section Summary

We explored many math tools.

Connecting cubes

Pattern blocks

Geoblocks

Two-color counters

5-frames
Lesson 6: Look for Small Groups

• Let’s look for small groups of objects.

Warm-up: Act It Out: Introduction

3 little ducks went out one day,
over the hill and far away.
Mother duck said, “Quack, quack, quack.”
Then 3 little ducks came back.
6.1: How Many Do You See: Introduction

How many do you see?
How do you see them?
6.3: Centers: Choice Time

Choose a center.

Geoblocks

Connecting Cubes

Pattern Blocks

Picture Books
Lesson 7: Classroom Scavenger Hunt

- Let’s look for groups of objects in the classroom.

Warm-up: Act It Out: How Can We Show It?

3 little ducks went out one day,
over the hill and far away.
Mother duck said, “Quack, quack, quack.”
Then 3 little ducks came back.
7.1: How Many Do You See: Two Images

How many do you see?
How do you see them?
7.3: Centers: Choice Time

Choose a center.

Geoblocks

Connecting Cubes

Pattern Blocks

Picture Books
Lesson 8: Different Groups, Same Quantity

- Let’s find groups that have the same number of things.

Warm-up: Act It Out: Another Way

3 little ducks went out one day, over the hill and far away. 
Mother duck said, “Quack, quack, quack.” 
Then 3 little ducks came back.
8.1: How Many Do You See: 1, 2, 3

How many do you see?
How do you see them?
8.2: Different Groups, Same Quantity
8.3: Centers: Choice Time

Choose a center.

Geoblocks

Connecting Cubes

Pattern Blocks

Picture Books
Lesson 9: Create Picture Books

- Let’s make picture books about our classroom.

Warm-up: Act It Out: The Story Changes

3 little ducks went out one day,
over the hill and far away.
Mother duck said, “Quack, quack, quack.”
Then 3 little ducks came back.

3 little ducks went out one day,
over the hill and far away.
Mother duck said, “Quack, quack, quack.”
Then 2 little ducks came back.
9.1: How Many Do You See: What Do You Notice?

How many do you see?
How do you see them?
9.2: Introduce Picture Books, Create
9.3: Centers: Choice Time

Choose a center.

Geoblocks

Connecting Cubes

Pattern Blocks

Picture Books
Section Summary

In this section, we noticed math in our world.

We found groups of things in our classroom and in books. We used our fingers and said numbers to tell how many things there are.

We found groups that have the same number of things.

There are 2 windows and 2 tables.
There are 3 stars and 3 soccer balls.
They look different but they are both 3.

We created our own books to show groups that have the same number of things in our classroom.
Lesson 10: Are There Enough?

- Let’s figure out if there are enough supplies for everyone.

Warm-up: How Many Do You See: Building On

How many do you see?
How do you see them?

•

•

•
4 little speckled frogs sat on a speckled log, eating the most delicious bugs. Yum! Yum!
1 jumped into the pool, where it was nice and cool. Now there are 3 green speckled frogs. Glub! Glub!
10.3: Centers: Choice Time

Choose a center.

Geoblocks

Connecting Cubes

Pattern Blocks

Picture Books
Lesson 11: Get Enough

- Let’s get enough pencils for everyone.

Warm-up: How Many Do You See: In a Flash

How many do you see?
How do you see them?
4 little speckled frogs sat on a speckled log, eating the most delicious bugs. Yum! Yum!
1 jumped into the pool, where it was nice and cool. Now there are 3 green speckled frogs. Glub! Glub!
11.2: Get Enough
11.3: Centers: Choice Time

Choose a center.

Geoblocks

Connecting Cubes

Pattern Blocks

Picture Books
Section Summary

In this section, we figured out if there were enough pencils for everyone in our group.

We matched each pencil with one person.
Lesson 12: How Many Are There? (Part 1)

- Let’s count collections of objects.
12.3: Introduce Pattern Blocks, Get and Build

Kindergarten Unit 1
Lesson 12

73
Choose a center.

Geoblocks

Connecting Cubes

Pattern Blocks

Picture Books
Lesson 13: How Many Are There? (Part 2)

- Let’s count collections of objects.
13.3: Centers: Choice Time

Choose a center.

Geoblocks

Connecting Cubes

Pattern Blocks

Picture Books
Lesson 14: Answer “How Many” Questions

• Let’s count to figure out how many objects are in our collections.
14.3: Introduce Connecting Cubes, Get and Build

4

5
Choose a center.

Geoblocks

Connecting Cubes

Pattern Blocks

Picture Books
Lesson 15: Explain How You Counted

• Let’s count collections of objects and tell our partners how we counted.
15.3: Centers: Choice Time

Choose a center.

Geoblocks

Connecting Cubes

Pattern Blocks

Picture Books
Lesson 16: Represent Our Collections

• Let’s count collections of objects and show how we counted.
16.1: Counting Collections: Show How Many

Show how many objects are in your collection.
16.3: Centers: Choice Time

Choose a center.

Geoblocks

Connecting Cubes

Pattern Blocks

Picture Books
Section Summary

In this section, we counted collections of objects.

We counted each object and kept track of which objects we’ve counted. We used 5-frames and counting mats to help us.

We said a number to tell how many objects there are.
Lesson 17: Connecting Cube Sculptures

- Let’s build with connecting cubes and figure out how many we have.

Warm-up: How Many Do You See: Connecting Cube Flash

How many do you see?
How do you see them?
Credits

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