Chapter 9

Algebra: Patterns and Graphing



Chapter At A Glance

Chapter Essential Question How can you use line plots, coordinate grids,

Domains: Measurement and Data Geometry

Operations and Algebraic Thinking

Use the GO Math! Planning Guide for correlations, mathematical practices information, and more.

1 Day LESSON 9.1

5.MD.B.2

1 Day

LESSON 9.2

5.G.A.1

Lesson At A Glance

Essential

Ouestion

Line Plots 533A

and patterns to help you graph and interpret data?

How can a line plot help you find an

Objective Make and use line plots with fractions to

Vocabulary data, line plot

ELL Strategy

average with data given in fractions?

solve problems.

Ordered Pairs 539A

How can you identify and plot points on a coordinate grid?

Graph and name points on a coordinate grid using ordered pairs.

ordered pair, origin, x-axis, x-coordinate, y-axis, y-coordinate

Strategy • Develop Meanings

1 Day LESSON 9.3

5.G.A.2

Investigate • Graph Data 545A

How can you use a coordinate grid to display data collected in an experiment?

Collect and graph data on a coordinate grid.

degree Fahrenheit (°F)

Strategy • Model Language

your chapter resources



Strategy • Restate

9.1 eTeacher Edition

Personal Math Trainer



i I i Tools

9.2 iStudent Edition

9.2 eTeacher Edition

🚱 Personal Math Trainer

Math on the Spot Video

📦 Real World Video, Ch. 9

Animated Math Models

i iTools

9.3 iStudent Edition

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M HMH Mega Math



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9.1 Student Edition

9.1 Practice and Homework (in the Student Edition)

9.1 Reteach (in the Chapter Resources)

9.1 Enrich (in the Chapter Resources)

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9.2 Student Edition

9.2 Practice and Homework (in the Student Edition)

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9.3 Student Edition

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Before the Chapter

During the Lesson

After the Chapter



Show What You Know

• Prerequisite Skills Activities

• Personal Math Trainer

Share and Show

Reteach

• Mid-Chapter Checkpoint

Personal Math Trainer

Reteach Activity (online)

Chapter Review/Test

Reteach

Personal Math Trainer

Reteach Activity (online)

Chapter Pacing Chart

	•		
Introduction	Instruction	Assessment	Total
1 day	7 days	2 days	10 days

1 Day LESSON 9.4

5.G.A.2

Line Graphs 551A

How can you use a line graph to display and analyze real-world data?

Analyze and display data in a line graph.

interval, line graph, scale

Strategy • Restate

1 Day LESSON 9.5

5.OA.B.3

Numerical Patterns . . . 559A

How can you identify a relationship between two numerical patterns?

Use two rules to generate a numerical pattern and identify the relationship between the corresponding terms in the patterns.

Strategy • Scaffold Language

1 Day LESSON 9.6

5.OA.B.3

Problem Solving • Find a Rule 565A

How can you use the strategy solve a simpler problem to help you solve a problem with patterns?

Solve problems using the strategy solve a simpler problem.

Strategy • Restate

- 9.4 iStudent Edition
- 9.4 eTeacher Edition
- Rersonal Math Trainer
- Math on the Spot Video
- Animated Math Models
- i I i Tools
- M HMH Mega Math

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Math on the Spot Video



Assessment



Multimedia eGlossary



Professional **Development Videos**



Real World Videos



Interactive Student Edition

Chapter At A Glance

Domains: Measurement and Data Geometry **Operations and Algebraic Thinking**

1 Day LESSON 9.7

5.OA.B.3

Lesson At A Glance

Graph and Analyze Relationships 571A

Essential Ouestion

How can you write and graph ordered pairs on a coordinate grid using two numerical patterns?

Objective

Graph the relationship between two numerical patterns on a coordinate grid.

Vocabulary

ELL Strategy

Strategy • Cooperative Grouping



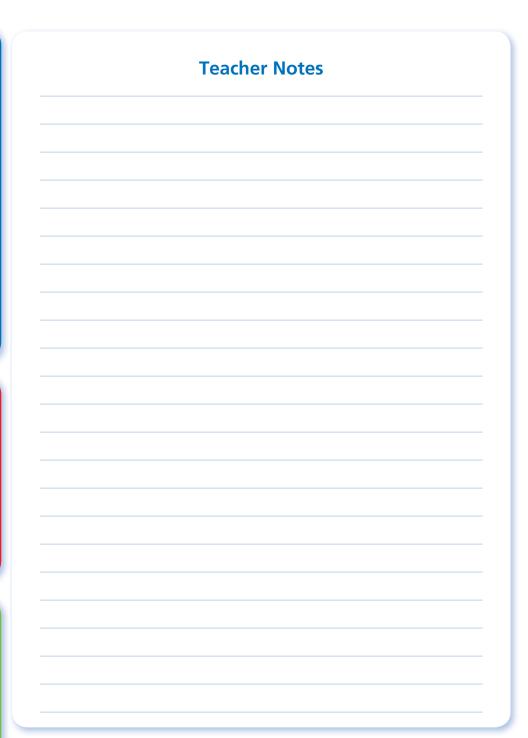
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Diagnostic

- Show What You Know
- Digital Personal Math Trainer

Formative

- Lesson Quick Check
- Mid-Chapter Checkpoint
- Digital Personal Math Trainer
- Assessment Animation
- Assessment Video

Summative

- Chapter Review/Test
- Chapter Test
- Performance Assessment Task
- Digital Personal Math Trainer