

Developing Vocabulary and Supporting English Learners

i-Ready Classroom Mathematics provides a variety of supports to help all students develop their ability to understand and use the academic language of mathematics. While many of the language supports listed are intended for all learners, the program also includes specific supports that address the strengths and needs of students learning English. Learn more about the supports available below.

Engaging All Students and Families

Family Letter (Available in 11 Languages)

PURPOSE:

Keep families informed and encourage math talk at home using a suggested activity and conversation starters

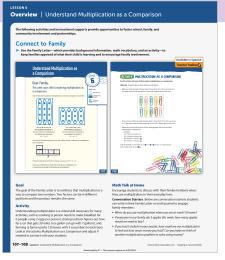
WHEN:

When starting a new lesson

WHERE:

Beginning of Lesson:

- Teacher Toolbox: Instruction & Practice tab (English and 10 additional languages)
- · Teacher's Guide—English
- Student Worktext—English



Connect to Culture

PURPOSE:

Integrate cultural information and leverage the diverse backgrounds and experiences of students through brief activities

WHEN:

During the sessions listed

WHERE:

- Beginning of Lesson: Teacher's Guide
- Teacher Toolbox: Each lesson on the presentation slides (K–1)

STEM Stories (Grades 2-5)

PURPOSE:

Engage students with stories of people of diverse cultural backgrounds pursuing and achieving success in STEM careers

WHEN:

Anytime during the unit

Beginning of Unit: Teacher's Guide, Student Worktext

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Language Routines

PURPOSE:

Use language routines to help students incorporate the specialized language of mathematics

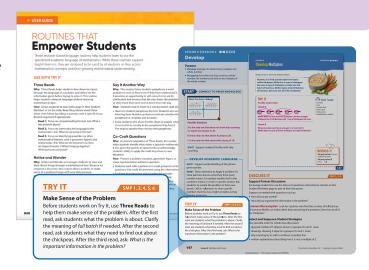
WHEN:

During the Try It portion of the Try-Discuss-Connect framework

WHERE:

Try It in the Try–Discuss–Connect framework: Teacher's Guide

Descriptions in the front matter in the Teacher's Guide and in the Teacher Toolbox in the Program Implementation tab



Protocols for Engagement

PURPOSE:

Increase student participation and involvement by using these protocols to validate and affirm cultural identities

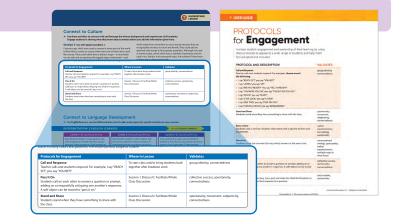
WHEN:

During the sessions listed

WHERE:

Beginning of Lesson: Teacher's Guide

Descriptions in the User Guide in the Teacher's Guide or in the Teacher Toolbox in the User Guide on the Program Implementation tab



Teacher Moves

PURPOSE:

Give students time and space to make sense of, critique, and develop ideas, as well as structures for attending and responding to each other's ideas

WHEN:

During the session as indicated in the Teacher's Guide

WHERE:

Embedded in Sessions: Teacher's Guide

Descriptions in the User Guide in the Teacher's Guide and in the Teacher Toolbox in the Program Implementation tab

Academic Discourse

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Language Objectives

PURPOSE:

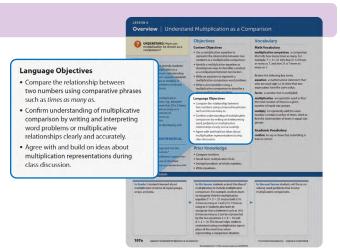
Sets expectations for what students can strive to do with language to demonstrate achievement of the **Content Objectives**

WHEN:

When planning for the lesson

WHERE:

Lesson Overview: Teacher's Guide



Develop Academic Language

PURPOSE:

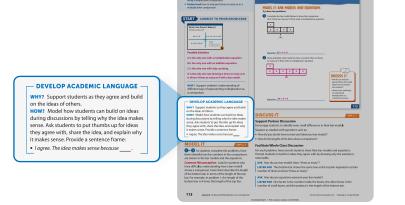
Focuses on language at the word/phrase, sentence, or discourse level to support students in the development of the language needed to access and communicate about mathematics

WHEN:

During the Develop sessions

WHERE:

Develop Sessions: Teacher's Guide



Discourse Cards or Discourse Cube

PURPOSE:

Questions and sentence stems to use to support conversations during discussion time

WHEN:

Anytime students are discussing

WHERE:

Physical Cards or Teacher Toolbox: Program Implementation tab



Vocabulary Support

Use these resources with all students.

Build Your Vocabulary

PURPOSE:

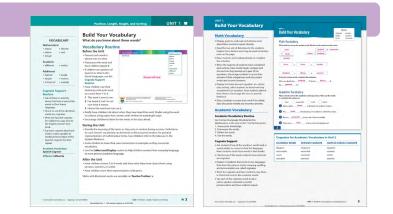
Use the Academic Vocabulary Routine and the Cognate Support Routine to help students build on prior knowledge of both math terms and academic vocabulary, then have students complete an activity to use the words in context

WHEN:

Before starting a new unit

WHERE:

Beginning of Unit: Teacher's Guide and Student Worktext



Vocabulary Review: Revisit Build Your Vocabulary (Grades K-1) or Vocabulary Cards (Grades K-5)

PURPOSE:

Guide students to reflect on the math terms and academic vocabulary learned during the unit

WHEN:

Before the unit assessment

WHERE:

End of Unit: Teacher's Guide, Student Worktext

Vocabulary Development (Grades 1–5)

PURPOSE:

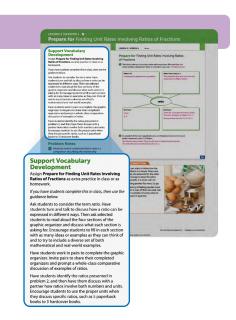
Use graphic organizers to focus on key math terms in the lesson to support language development

WHEN:

During the Explore sessions

WHERE:

Explore Session Practice Pages: Teacher's Guide, Student Worktext



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Sentence Starters and Frames

PURPOSE:

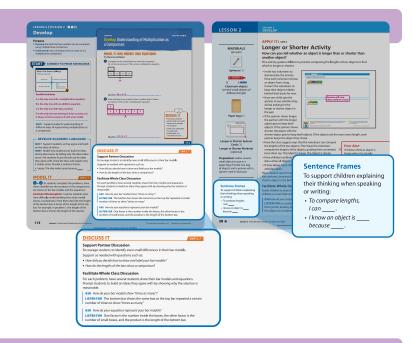
Use the questions and sentence starters to scaffold students' production of complete sentences using mathematics language with a partner

WHEN:

During the Apply It Activity (Grades K-1) and the Discuss It portion of the Try-Discuss-Connect framework (Grades 2-5)

WHERE:

Discuss It in the Try-Discuss-Connect framework: Teacher's Guide, Student Worktext



Academic Vocabulary Glossary

PURPOSE:

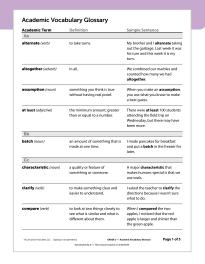
Use to model the academic vocabulary words in context and in a complete sentence

WHEN:

Anytime as needed

WHERE:

Teacher Toolbox: Program Implementation tab



English Learner Support

Use these resources with students who are learning English.

Professional Learning

PURPOSE:

Provides information and guidance related to engaging all students, supporting English Learners, and developing vocabulary

WHEN:

When planning for the unit

WHERE:

Beginning of Unit: Teacher's Guide



Connect Language Development to Mathematics

PURPOSE:

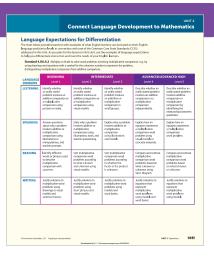
Differentiate by understanding what students at different levels of language proficiency can typically do in relation to one math standard addressed in the unit

WHEN:

When planning for the unit

WHERE:

Beginning of Unit: Teacher's Guide



Connect to Language Development

PURPOSE:

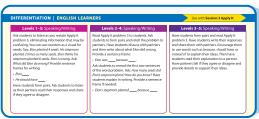
Scaffold language and provide access to support participation in understanding the mathematics

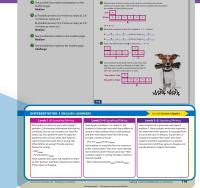
WHEN:

During the session

WHERE:

End of Session: Teacher's Guide





Multilingual Glossary of Math Terms (Available in 10 Languages)

PURPOSE:

Use to support students in their home language to reinforce the meaning of math terms

WHEN:

Anytime as needed

Teacher Toolbox: Program Implementation tab

