

Grade 3 Unit 1 Section A Introducing Multiplication Lessons 1-8

Goals:

- Students represent and solve multiplication problems through the context of picture and bar graphs that represent categorical data.
- Interpret scaled picture and bar graphs.
- Represent data using scaled picture and bar graphs.
- Solve one- and two-step story problems using addition and subtraction.
- [3rd Grade Unit 1- I Can Statements](#)
- [3rd Grade- Unit 1 Centers](#)

IM Lesson	L1: Make Sense of Data	L2: Represent Data and Solve Problems	L3: Scaled Picture Graphs	L4: Create Scaled Picture Graphs	L5: Represent Data in Scaled Bar Graphs	L6: Choose a Scale	L7: Answer Questions about Scaled Bar Graphs	L8: More Questions about Scaled Bar Graphs
Ar Math Content Standards	3.MD.D.10	3.MD.D.10, 3.OA.C.3	3.MD.B.3	3.MD.B.3	3.MD.B.3	3.MD.B.3	3.MD.B.3	3.MD.B.3
AR Math Practice Standards	MP. 1, 2	MP. 1, 2, 6	MP. 1, 3, 7	MP. 1, 2, 3	MP. 6, 7, 8	MP. 1, 3	MP. 1, 7	MP. 1, 2, 3, 7
Vocabulary Focus	Key, picture graph, bar graph		Scaled picture graph		Scaled bar graph			
Lesson Materials/ Resources	L1- Slide Deck L.1.1- Student Tasks Desmos	L2: Slide Deck L2- Student Tasks Desmos	L3: Slide Deck L3- Student Task Desmos	L4: Slide Deck L4- Student Task Desmos	L5: Slide Deck L5- Student Task Desmos	L6: Slide Deck L6- Student Task Desmos	L7- Slide Deck L7- Student Task Desmos	L8- Slide Deck L8- Student Task Desmos
Assessment	Cool Down- Desmos	Cool Down- Desmos	Cool Down- Desmos	Cool Down- Desmos	Cool Down- Desmos	Cool Down- Desmos	Cool Down- Desmos	Cool Down- Desmos Sec. A Practice Problems SA Checkpoint Assessment
Suggested Centers/ Materials/ Resources	Sort and Display, Stage 2, Capture Squares, Stage 3	Sort and Display, Stage 2, Capture Squares, Stage 3	Sort and Display, Stage 2, Capture Squares, Stage 3	Sort and Display, Stage 2, Capture Squares, Stage 3	Sort and Display, 5 in a Row: Addition	Sort and Display, 5 in a Row: Addition and Subtraction, Stage 6	Sort and Display, 5 in a Row: Addition and	Sort and Display, 5 in a Row: Addition and Subtraction, Stage 6

					and Subtraction. Stage 6		Subtraction. Stage 6	
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Grade 3 Unit 1 Section B Introducing Multiplication Lessons 9-15

Goals:

- Students represent and solve multiplication problems through the context of picture and bar graphs that represent categorical data.
- Represent and solve multiplication problems involving equal groups.
- Understand multiplication in terms of equal groups.
- [3rd Grade Unit 1- I Can Statements](#)
- [3rd Grade- Unit 1 Centers](#)

IM Lesson	L9: Multiplication as Equal Groups	L10: Drawing, Situations, and Diagrams Oh My!	L11: Multiplication Expressions	L12: Represent and Solve Multiplication Problems	L13: Multiplication Equations	L14: Write and Solve Equations with Unknowns	L15: More Factors, More Problems
Ar Math Content Standards	3.OA.A.1	3.OA.A.1	3.OA.A.1, 3.OA.A.3	3.OA.A.1, 3.OA.A.3	3.OA.A.1, 3.OA.A.3	3.OA.A.1, 3.OA.A.3, 3.OA.A.4, 3.OA.D.9	3.OA.A.3, 3.OA.A.4, 3.OA.D.9
AR Math Practice Standards	MP. 1, 4, 7	MP. 1, 2, 6	MP. 1, 2, 3, 7	MP. 1, 3, 7	MP. 2, 6	MP. 2, 3, 4, 6, 7, 8	MP. 1, 8
Vocabulary Focus	Multiplication	expressions	Scaled picture graph		Equation, Factor, product		Factor, product
Lesson Materials/ Resources	L9- Slide Deck L9- Student Tasks Desmos	L10: Slide Deck L10- Card Sort	L11: Slide Deck L11- Card Sort	L12: Slide Deck L12- Student Task Desmos	L13: Slide Deck L13- Card Sort	L14: Slide Deck L14- Student Task Desmos	L15- Slide Deck L15- Student Task Desmos
Assessment	Cool Down- Desmos	Cool Down- Desmos	Cool Down- Desmos	Cool Down- Desmos	Cool Down- Desmos	Cool Down- Desmos	Cool Down- Desmos Prac. Problems B Checkpoint
Suggested Centers/	Capture Squares. Stage 4, 5 in a Row:	Capture Squares. Stage 4, 5 in a	Capture Squares. Stage	Capture Squares. Stage 5, 5 in a Row:	Capture Squares. Stage 5, 5 in a	Capture Squares. Stage 5, 5 in a	Capture Squares. Stage

Materials/ Resources	Addition and Subtraction, Stage 6	Row: Addition and Subtraction, Stage 7	4, 5 in a Row: Addition and Subtraction, Stage 7	Addition and Subtraction, Stage 7	Row: Addition and Subtraction, Stage 7	Row: Addition and Subtraction, Stage 8	5, 5 in a Row: Addition and Subtraction, Stage 8
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Grade 3 Unit 1 Section C Introducing Multiplication Lessons 16-21

Goals:

- Students represent and solve multiplication problems through the context of picture and bar graphs that represent categorical data.
- Represent and solve multiplication problems involving arrays.
- [3rd Grade Unit 1- I Can Statements](#)
- [3rd Grade- Unit 1 Centers](#)

IM Lesson	L16: Arrange Objects into Arrays	L17: Match and Draw Arrays	L18: Represent Arrays with Expressions	L19: Solve Problems Involving Arrays	L20: The Commutative Property	L21: Game Night Seating Plan *Optional
Ar Math Content Standards	3.OA.A.1	3.OA.A.1	3.OA.A.1	3.OA.A.1, 3.OA.A.3, 3.OA.C.7, 3.OA.D.9	3.OA.B.5	3.MD.B.3, 3.OA.A.1, 3.OA.A.3
AR Math Practice Standards	MP. 1, 3, 7	MP. 1, 3, 6	MP. 2, 7	MP. 1, 3, 8	MP. 1, 2, 3, 7	MP. 1, 2, 3, 7
Vocabulary Focus	array					
Lesson Materials/ Resources	L16: Slide Deck L16- Student Task Desmos	L17: Slide Deck L17- Card Sort	L18: Slide Deck L18- Student Task Desmos	L19: Slide Deck L19- Student Task Desmos	L20: Slide Deck L20- Student Task Desmos	L21: Slide Deck L21- Student Task Desmos
Assessment	Cool Down- Desmos	Cool Down- Desmos	Cool Down- Desmos	Cool Down-Desmos	Cool Down- Desmos Practice Problems	Checkpoint Assessment End-Of-Unit Assessment

Suggested Centers/ Materials/ Resources	Capture Squares, Stage 5, 5 in a Row: Multiplication, Stage 1	Capture Squares, Stage 5, 5 in a Row: Multiplication, Stage 1	Capture Squares, Stage 5, 5 in a Row: Multiplication, Stage 1	Capture Squares, Stage 5, 5 in a Row: Multiplication, Stage 1	Capture Squares, Stage 5, 5 in a Row: Multiplication, Stage 1	Capture Squares, Stage 5, 5 in a Row: Multiplication, Stage 1
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