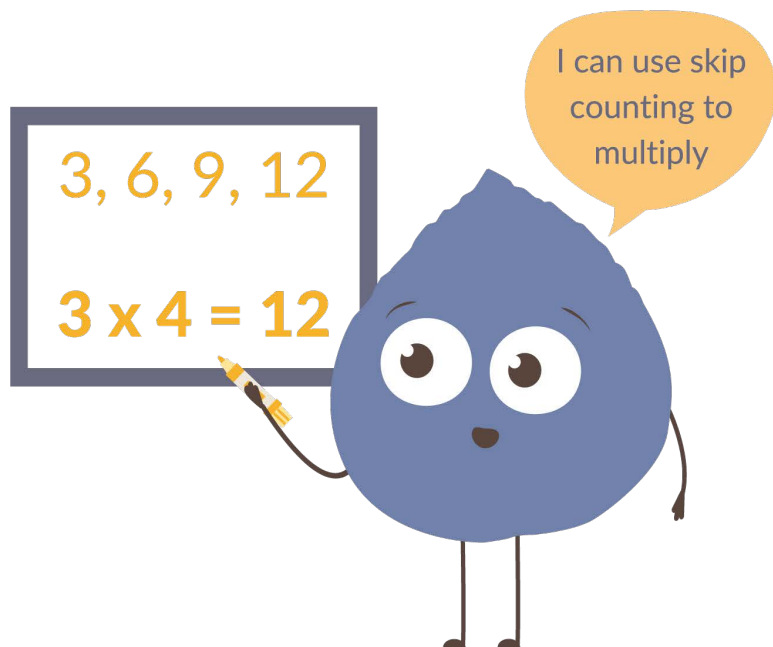


APPLY

K - 3

To use (mathematical knowledge).



Applying requires that students use a fact, procedure, rule or strategy to answer a math question. When **applying** knowledge and understanding, it often helps students to recall previous experiences in which a method, strategy or procedure was useful. For example, a student who has learned how to skip count, may **apply** that strategy to solve a multiplication problem.

The table below shows where **apply** is included as student action within Alberta's K-3 Math curriculum.

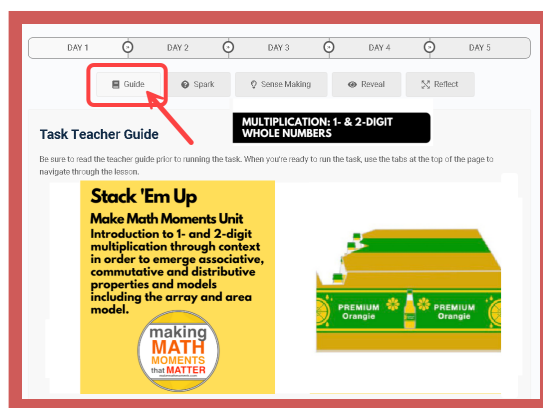
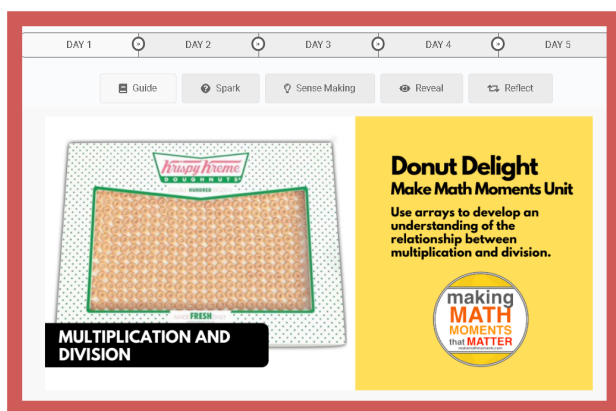
Grade Level	Learning Outcomes	Skills & Procedures
Kindergarten		
Grade 1		
Grade 2		Recall and apply addition number facts, with addends to 10, and related subtraction number facts.
Grade 3	Students analyze and apply strategies for multiplication and division within 100. Students analyze and apply strategies for addition and subtraction within 1 000.	

To best support learners, student action verbs should be explicitly taught, modeled and practiced through multiple experiences. The illustrative examples can provide clarification about how student understanding might be developed. It is important to reference the curriculum to view the entire context of the Learning Outcome and related KUSPS.

Illustrative Examples

Learning Outcome 3M3.1: Students analyze and **apply** strategies for multiplication and division within 100.

1. Try the [Stack 'Em Up Activity](#). Preview the teacher guide, clickable links and visuals focused on simple multiplication, as this is essential so that the teacher clearly understands the lessons and their components. Click on the Guide tab first as this will help get you started.



2. There is a [donut-themed module](#) that demonstrates arrays and explores the relationship between multiplication and division.

Note: Both of these mini units encourage the productive struggle for students and includes prompts, discussion points, reflection, and short videos. These learning modules provide students with many opportunities to **apply** strategies. As a bonus, they also include the process of **analyzing**, which is a part of the Learning Outcome.

Additional Resources

[Make Math Moment tasks.](#)

[Manitoba Government teacher resources.](#)

[Grade 3 Number Strand resource](#) (Multiplication and Division resources start on page 63).

References

Education and Early Childhood Learning: Math. (n.d.) Manitoba Education.

<https://www.edu.gov.mb.ca/k12/cur/math/index.html>

Grade 3 Mathematics: Number. (n.d.). Manitoba Education.

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Problem-Based Math Lessons & Full Units of Study. (n.d.). Make Math Moments.

<https://learn.makemathmoments.com/tasks/>