# **Math Tasks: Primary (Grades 1-3)**

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| **Monday, September 28** |
| **Learning Goal:** I will give and follow multi step instructions involving movement from one location to another, including distances and half- and quarter-turns (3) |
| **Task: Turtle Splash 1*** Spend some time playing with the Turtle Pond interactive tool!
* Can you move the turtle to the pond for a swim? Which route is **shortest**? Challenge yourself by adding some rocks and trees!
* With a friend or family member, pretend one of you is the “turtle”. **Give this person forward, back or turn directions to reach a “pond”** in your home or outside - it can be a chair, a tree, or anything you like!
* Make sure to have a safe set-up; avoid tripping hazards and sharp corners!
 |  [**Turtle Pond**](https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Turtle-Pond/) |

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| **Tuesday, September 29** |
| **Learning Goal:** I will develop and apply reasoning skills (e.g., classification, recognition of relationships, use of counter-examples) to justify my thinking.  |
| **Task: Autumn Leaves*** Look at the images and compare them:
* What is the **same** about the leaves?
* What is **different** about the leaves?
* Which leaves do you think **belong together**, and why? Is there more than one way to make a group of leaves that belong together?
* Which leaf **doesn’t belong**? Ask this question to someone in your home. Do your answers agree?
* Imagine four friends who each choose a **different** leaf as **not belonging**. What reasons do you think each friend would give?

*Adapted with permission from* [*District School Board of Niagara Virtual School*](http://virtual.dsbn.org/-/assignments/) |   |

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| **Wednesday, September 30** |
| **Learning Goal:** * I will subitize numbers up to and including 10
* I will demonstrate addition facts for numbers up to 10, and related subtraction facts

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| **Task: Super Subitizing!*** Subitizing is **determining the number of objects you see at a glance**, without counting them individually. For example, you may be able to identify “a five” on a dice without actually counting the dots.
* Try out some of the subitizing games in the **Ten Frame tool**. *Remember to look* ***briefly*** *at each group of objects or spaces, instead of counting how many there are.*
* If you tried the games more than once, did you get faster at identifying the numbers? What helped you to improve?
* You can practice subitizing to 10 by rolling two dice, or by printing out these [subitizing flash cards](https://drive.google.com/file/d/1ZZ1a0JYJEH4r4sZNcCUnrTcSh3ArD4pd/view) to practice with someone in your home.
 |   [Ten Frame](https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Ten-Frame/) |

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| **Thursday, October 1** |
| **Learning Goal:** I will determine pattern rules and use them to extend patterns, make and justify predictions, and identify missing elements in patterns represented with shapes and numbers |
| **Task: Pattern Parade*** Look at the **growing pattern**:
	+ What do you notice?
	+ How many?
	+ How can we count?
	+ Can we count in a different way?
* **Explain** how you would create the **next three terms** of this pattern, and **describe the appearance** of these terms
* Choose **another shape** and draw or make at least **five terms** of your own pattern.

Adapted with permission from: [SCDSB First 20 days](https://docs.google.com/presentation/d/1BijxDtb6k1_LWwAHuYTdK5c877R3MEHVzmJfV0d-FeY/present?rm=minimal#slide=id.g53358a14cf_2_234) |   |

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| **Friday, October 2** |
| **Learning Goal:** I will select from and create a variety of representations of mathematical ideas, and apply them to solve problems  |
| **Task: Figure out the Fashion** * My favourite clothes include four t-shirts, three pairs of jeans, and two pairs of sandals.
* **How many days** in a row could I wear a **different outfit** using my favourite clothes?
* Show your mathematical thinking by drawing out each fashion wearing event.

What do you notice about **how you tracked** each unique outfit? * What is **another method** you could use to track each outfit?

 * Which of the two methods do you prefer, and why?

 Source: [Alicia Burdess](http://www.aliciaburdess.com/teaching-through-problem-solving.html) (Sept 2020) via [SCDSB First 20 Days](https://docs.google.com/presentation/d/1BijxDtb6k1_LWwAHuYTdK5c877R3MEHVzmJfV0d-FeY/present?rm=minimal#slide=id.g53358a14cf_2_234) |  |

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