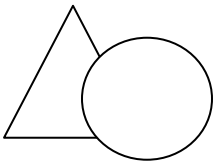
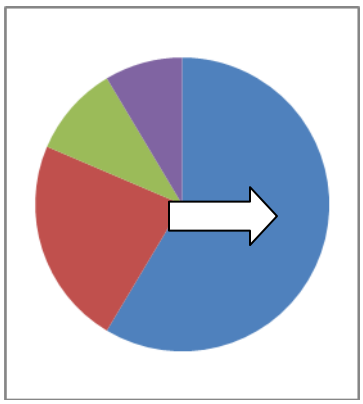
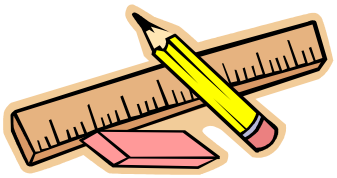
Strand	Open Task	Parallel Task
Geometry 	What shapes can you make with two identical short straws and two identical long straws?	Toniata Public School is looking to build a new kindergarten playground. **Task 1:** Choose a shape for the playground area with the largest perimeter. **Task 2:** Choose a shape for the playground whose area and perimeter are somewhat equal.
Number Sense and Numeration **1 2 3** **+ = %**	The population of Brockville was reported as _____ in 2010. Describe or sketch three ways to model this population using base ten blocks.	**Task 1:** The population of Brockville was reported as 21,957 in 2006. Sketch three ways to model this population using base ten blocks. **Task 2:** The population of Brockville was reported as ____ in 2006. Sketch and describe two ways to model this population using base ten blocks.

Probability 	**Imagine that a new student is about to join the class. Decide which of these statements is likely, which is likely, certain, unlikely, and impossible**. • The student is a boy. • The student is 20 years old. • The student has a head. • The student likes the school. • The student lives in the local area. • The student is the same age as the other students in the class. • The student has very few close friends.	**Task 1:** Describe what 10 colored cubes you would put in a bag so that the probability of selecting a red one is high but not certain. **Task 2:** Describe what 10 colored cubes you would put in a bag so that the probability of selecting a red one is 2/5.
Measurement 	A spider took ___ minutes to spin a web. The spider finished spinning at __:__. At what time did it start?	**Task 1:** A spider took 45 minutes to spin its web. The spider finished spinning at 11:40 a.m. At what time did it start? **Task 2:** A spider took __ minutes to spin its web. The spider finished spinning at 11:40 a.m. At what time did is start?
Patterning 	A book has pages numbered from 1 to ___. How many times is the digit 0 used in writing the page numbers? How do you know?	**Task 1:** A book has pages numbered from 1 to 100. How many times is the digit 0 used in writing the page numbers? How do you know? **Task 2:** A book has pages numbered from 1 to ___. How many times is the digit __ used in writing the page numbers? How do you know?

Algebra **3 X ☐ = 15**	There are __ soccer balls in the gym. Chad takes __ balls outside. Dana takes __ balls back to the gym. How many soccer balls are in the gym now?	**Task 1:** There are 17 soccer balls in the gym. Chad takes 5 balls outside. Dana takes 2 balls back to the gym. How many soccer balls are in the gym now? **Task 2:** There are __ soccer balls in the gym. Chad takes 5 balls outside. Dana takes 2 balls back to the gym. How many soccer balls are in the gym now?
Data  **Management**	Sort the numbers from 1 to 20 by using two sorting rules so that there are four numbers that are in the overlap.	**The set of data below describes the ages of** **Task 1:** Create a line plot to display the data. **Task 2:** Create a bar graph to display the data.
Number sense and Numeration **1, 2, 3**	Kristine bought ____ meters of fabric. The total cost of the fabric was _____. Estimate the cost for each meter. Explain your strategy.	Task 1: Kristine bought 3.7 meters of fabric. The total cost of the fabric was _____. Estimate the cost for each meter. Explain your strategy. Task 2: Kristine bought ___ meters of fabric. The total cost of the fabric was $16.98. Estimate the cost for each meter. Explain your strategy.