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<th>Strand</th>
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| 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 | 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. |
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 it 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

\[ 3 \times \square = 15 \]

There are \( \square \) soccer balls in the gym. Chad takes \( \square \) balls outside. Dana takes \( \square \) 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 \( \square \) 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 \( \square \) meters of fabric. The total cost of the fabric was \( \square \). 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 \( \square \). Estimate the cost for each meter. Explain your strategy.

**Task 2:** Kristine bought \( \square \) meters of fabric. The total cost of the fabric was $16.98. Estimate the cost for each meter. Explain your strategy.