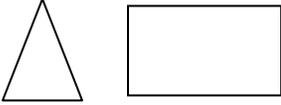




## Parallel and Open Questions Grades K-3

Strand	Open task	Parallel task
Number Sense and Numeration	There are tadpoles in a jar. The amount of tadpoles is more than 10 and less than 50. How many tadpoles could there be in the jar.	<p><b>TASK #1</b> You land on the amount when you count by 2's. How many tadpoles could there be in the jar.</p> <p><b>TASK #2</b> You land on the amount when you count by both 2's AND 5's. How many tadpoles could there be in the jar?</p>
Number Sense and Numeration	There are clouds in the sky. There are different colours of clouds. How many clouds of each colour could there be?	<p><b>TASK #1</b> There are 12 clouds in the sky. There are 2 different colours of clouds. How many clouds of each colour could there be?</p> <p><b>TASK #2</b> There are 3 different colours of clouds. One colour has twice as many more than another. How many clouds of each colour could there be?</p>
Number Sense and Numeration	Write a number sentence that has the numeral 5 in it.	<p><b>TASK #1</b> Write a number sentence that has a 2 digit number that ends with 5.</p> <p><b>TASK #2</b> Write a number sentence where the 2 numerals subtracted from each other equals 5.</p>

Strand	Open task	Parallel task
Number Sense and Numeration	Jennifer is thinking of a number. The number has a “4” in it. What could Jennifer’s number be?	<p><b>Task #1</b> Jennifer’s number is a 2 digit number where the second digit is a “4”. What could her number be?</p> <p><b>Task #2</b> Jennifer’s number is a 2 digit number that you land on when you count by 2’s.</p>
Patterning	What patterns could you make with 3 different shapes?	<p><b>Task #1</b> You have 3 different shapes to make a pattern with. Make a pattern where it repeats according to one attribute.</p> <p><b>Task #2</b> You have 3 different shapes to make a pattern with. Make a pattern where the 4<sup>th</sup> and the 8<sup>th</sup> shape in your pattern are the same and are only used once in your pattern.</p>
Measurement	An ant walked all the way around the outside of a cracker. How far did it walk?	<p><b>Task #1</b> An ant walked all the way around the outside of a square shaped cracker. Each side measuring 3cm in length. How far did the ant walk?</p> <p><b>Task #2</b> An ant walked all the way around the outside of a rectangular shaped cracker. How far did the ant walk?</p>
Data Management and Probability	<p>Consider this set of data:</p> <p style="text-align: center;">2, 5, 4, 5, 3</p> <p>What might have been the survey question if these are the responses?</p>	<p><b>Task #1</b> Draw a bar graph to represent this data</p> <p><b>Task #2</b> Represent this data in two different ways</p>
Patterning	<p>Consider the following sequence: 1, 3, 5, 7....</p> <p>What other numbers belong to this sequence?</p>	<p><b>Task #1</b> Consider the following sequence: 1, 3, 5, 7..... Does 50 belong to this sequence?</p> <p><b>Task #2</b> Consider the following sequence: 1, 3, 5, 7..... List only the numbers that end with 5 if the sequence goes to 100.</p>

Strand	Open task	Parallel task
Geometry and Spatial Sense	Look at these two shapes. How are they similar? How are they different?  	<b>Task #1</b> List the number of sides and vertices of these two shapes. <b>Task #2</b> List other shapes that share the same similarities of these two shapes.
Data Management and Probability	Look at the bar graph What might the survey question be?	<b>Task #1</b> Write 3 questions to go with this bar graph <b>Task #2</b> Take the data in the bar graph and represent it in two other ways.
Measurement	Pete spent hours at the park in the morning. How long was he at the park for?	<b>Task #1</b> Pete spent three hours at the park in the morning. What different times could he have been at the park for? <b>Task #2</b> Show the hours that Pete was at the park for in both digital and analogue time.
Measurement	The hour hand on a clock makes a half turn. What time could it be?  	<b>Task #1</b> The time is 12:00. List all of the times it would be when the hour hand continues to make a half turn. <b>Task #2</b> List 4 fractions of turns in which the hour hand moves on an analogue clock
Data Management and Probability	Tell of an event that is impossible, certain, likely, or unlikely to happen.	<b>Task #1</b> The probability of an event is $\frac{5}{7}$ . How likely is that even to occur? Explain your thinking. <b>Task #2</b> Design a spinner where the probability of landing on green is unlikely.



Strand	Open task	Parallel task
Measurement	Give a time with the number 3 representing a hour or minute	<p><b>Task #1</b> Would a clock ever say 6:63? Explain your thinking</p> <p><b>Task #2</b> Starting at 3:00, write every time in <math>\frac{1}{2}</math> intervals for a 24 hour period</p>