



## Splitting bigger problems into smaller known tasks

### Lesson Plan: Class 03 / DA / 01



<b>Overall goal of the lesson</b>	Understand that many big problems can be solved by splitting them into smaller, known and easy-to-do tasks.
<b>Prior knowledge required</b>	Counting

#### MODULE 1:      **Module time:** 35 minutes

<b>Goal:</b>	Understand the importance of splitting bigger tasks to smaller known ones with the help of two simple examples
<b>Description:</b>	Explain to the students the concept as stated in the goal and elaborate on examples in the best way you can. Feel free to improvise and use props if necessary.
<b>Material required:</b>	<b>Physical: Chalk/Marker and Board, Worksheet</b> <b>Electronic: Projector for PowerPoint presentation</b>
<b>Procedure Summary:</b>	Explain the concept with the help of two examples.
<b>Procedure Details:</b>	<ol style="list-style-type: none"><li>1. Begin your class with explaining to students the idea of breaking bigger complex problems into smaller known tasks.</li><li>2. The next slide begins with an example to support the idea. You will find large number of 'S' with only one replaced with '5'. Since both 'S' and '5' look similar, it's tough to find '5' directly.</li><li>3. So, let's break this complex problem into smaller once. Let's divide the number of '5' in three parts and check one part at a time, since it's easier to spot the difference in smaller region.</li><li>4. Ask students if they can see a '5' in the first region. Encourage them by finding along. The '5' is in the third area which will give them enough time and involvement to spot it. Once the '5' is spotted, explain how we solved a bigger problem by dividing it into smaller easier parts.</li><li>5. Next is a fun example! Students often wish to draw things that they see but face with a challenge of where to begin with. This example takes through drawing a cartoon mouse with the help of individual and easy to make shapes.</li><li>6. Ask the students to draw along in their notebook each step, so that in the end they all get to see an example of solving bigger problems with help of smaller tasks.</li></ol>
<b>Assessment:</b>	Try solving first example with different symbol and second with different figure
<b>Information Broadcast:</b>	Complete Worksheet before next class 03-DA-02