

# Rounding and Estimating

Maths

Year 3

Lesson 2 of 5

Learning Objective		Resources
To be able to identify characteristics of numbers and to order and compare numbers.		Slides Number Cards 2A/2B/2C/2D Worksheet 2A
Teaching Input		
<ul style="list-style-type: none"> <li>Show the slide that has 745 on it. What can you tell me about this number? Give children some time to discuss their ideas, then go through some of the facts about the number on the next slide. Then show the number 849. What can you tell me about this number? Children to discuss their ideas with a partner, then list ideas together.</li> <li>Next, show two numbers together. What is the same and what is different about these numbers? Again, children to discuss their ideas then share with the class.</li> <li>Can you think of a number between these two numbers? Children to write a number on their whiteboards. Repeat for the different sets of numbers.</li> <li>Show children four numbers on the slides. Can you order these from smallest to largest? Children to arrange on their whiteboards then check their answers. Encourage children to discuss how they knew the correct order, using their knowledge and understanding of place value.</li> </ul>		
Main Activity		
<p><u>Lower ability:</u></p> <p>Provide children with Number Cards 2A. In pairs, challenge children to order the numbers from smallest to largest. When finished, children to pick three of the numbers and write as many facts about each as they can on worksheet 2A.</p>	<p><u>Middle ability:</u></p> <p>Provide children with Number Cards 2B. In pairs, challenge children to order the numbers from smallest to largest. When finished, children to pick three of the numbers and write as many facts about each as they can on worksheet 2A.</p>	<p><u>Higher ability:</u></p> <p>Provide children with Number Cards 2C. In pairs, challenge children to order the numbers from smallest to largest. When finished, children to pick three of the numbers and write as many facts about each as they can on worksheet 2A.</p>
Fancy something different...?		
<ul style="list-style-type: none"> <li>Provide children with a set of Number Cards 2D in small groups. As a group, decide a way they could sort the numbers according to their own criteria, such as: odd numbers and even numbers; numbers with four tens or less and numbers with five tens or more; numbers where the first digit is larger than the last digit and vice versa. Encourage children to be as creative as they can.</li> <li>When they have arranged their cards, ask one child to be an ambassador and stay at their table. The rest of the children then go to the other groups and see if they can work out how the cards have been arranged for each one. The ambassadors tell them whether they are correct or not.</li> <li>This can be done several times. Children will probably become more competitive after a few rounds and so increase their reasoning skills to arrange their cards in ever more challenging ways!</li> </ul>		
Plenary	Assessment Questions	
<p>Ask one child to come to the front of the class and choose a three-digit number. The rest of the class then ask questions that require 'yes' or 'no' answers to try and identify which number they have chosen. Children could ask e.g. 'Is your number an odd number?' 'Does your number have more than five ones?' etc. Children could guess a number after each clue on whiteboards. The first child to get the correct answer wins.</p>	<ul style="list-style-type: none"> <li>Can children describe some properties of three-digit numbers?</li> <li>Can children identify similarities and differences between two numbers?</li> <li>Can children order numbers?</li> </ul>	