

Rounding and Estimating

Maths

Year 3

Lesson 1 of 5

Learning Objective		Resources
To be able to round numbers to the nearest 10 or 100.		Slides Worksheet 1A/1B/1C Bingo Game Sheet (FSD? activity only) Digit Cards
Teaching Input		
<ul style="list-style-type: none"> Explain to the children that sometimes in Maths we don't need the exact number. We use a method called rounding to give us a close answer. We can round up and down. Do you know what the rounding rule is? Children think, pair, share their ideas then go through on the slides. Show the numbers on the slides and ask the children to round the numbers and write the answer on their whiteboards. Check the answer for each one the slides. Explain that this is called rounding to the nearest 10 but we can also round to the nearest 100. This time the tens unit is the important one. Show the slide that has 329 rounded down to 300 and 562 rounded up to 600 and explain why. Show the numbers on the slides and ask the children to round the numbers to the nearest 100 and write the answer on their whiteboards. Check the answer for each one on the slides. 		
Main Activity		
<p><u>Lower ability:</u></p> <p>Worksheet 1A asks the children to match numbers to their rounded number by drawing a line. The second part asks the children to round the numbers in addition calculations and write the answer by adding the rounded numbers together. The third section asks the children to round numbers to the nearest 100.</p>	<p><u>Middle ability:</u></p> <p>Worksheet 1B asks the children to round numbers and add them to make 100 and 150. They then have to add the rounded numbers. They then have to round numbers to the nearest 100 and add up all the rounded numbers.</p>	<p><u>Higher ability:</u></p> <p>Worksheet 1C asks the children to round numbers to the nearest 100 and investigate adding three of the rounded numbers and find as many different totals as they can. They are then asked to investigate three numbers that when rounded add up to 700.</p>
Fancy something different...?		
<p><u>Rounding Bingo!</u></p> <ul style="list-style-type: none"> Give the children a copy of the Bingo Game Sheet. Ask them to fill in six 100s in each of the boxes for each game e.g. 200, 600 etc. You say a number like 567, the children have to round the number to the nearest hundred (600). If they have a 600 on their card they put a cross through it. Repeat this. The first child to complete the card has to shout out 'Rounded'! If you need to differentiate it some children could put in tens on their cards, so you say a tens number for them. Eyes down and off you go! 		
Plenary		Assessment Questions
<p>Place the Digit Cards in a bag or face down and invite a child to pick 3 cards. The children draw HTO boxes on their whiteboards. Read out the first digit. The children have to put the digit in one of the boxes with the aim of being able to round up the number when all three cards are shown. Read out the other two digits. Could the children make a number that could be rounded up? It may not be always possible. Repeat this activity but this time with the aim of rounding down the final number.</p>		<ul style="list-style-type: none"> Can children round to the nearest 10? Can children round to the nearest 100? Can children use rounding to find approximate answers in addition calculations?