

# Choosing Methods

Maths

Year 6

Lesson 1 of 5

<b>Learning Objective</b>		<b>Resources</b>
To practise column methods for addition and subtraction.		Slides Problem Cards A/B/C Target Sheet A/B/C (FSD? activity only) Spinner A/B/C (FSD? activity only)
<b>Teaching Input</b>		
<ul style="list-style-type: none"> <li>Show children the column addition question on the slides. Can you solve this question using the column method? Children to have a go on their mini-whiteboards, then complete the calculation together to check.</li> <li>Repeat this for the other addition problems on the slides.</li> <li>Now show the column subtraction question on the slides. How could you solve this? Children to answer the question on their mini-whiteboards, then go through the information about the standard column subtraction method. Did you use this method? If not, which other method could you use? Children to share their ideas.</li> <li>Go through the other subtraction problems on the slides. Children to answer them, then check on the slides.</li> </ul>		
<b>Main Activity</b>		
<u>Lower ability:</u> Provide the children with Problem Cards A. They will select a card and work out what the missing numbers are. The questions will include addition and subtraction problems.	<u>Middle ability:</u> Provide the children with Problem Cards B. They will select a card and work out what the missing numbers are. The questions will include addition and subtraction problems.	<u>Higher ability:</u> Provide the children with Problem Cards C. They will select a card and work out what the missing numbers are. The questions will include addition and subtraction problems.
<b>Fancy something different...?</b>		
<ul style="list-style-type: none"> <li>Group the children into ability pairs or small groups. Provide each child with a Target Sheet A, B or C (depending on ability) and a Spinner A, B or C (depending on ability) to share.</li> <li>The children follow the instructions on the sheet, taking it in turns to spin a number. They will write their starting number in the first circle on their sheet and then decide if they want to add or subtract each subsequent number they spin.</li> <li>The aim is to be the closest to the target number when the final number has been added or subtracted.</li> </ul>		
<b>Plenary</b>	<b>Assessment Questions</b>	
Show the slide that has this on: $4532 - 3999$ . Ask the children to discuss what method they would use to find the answer. Encourage children to think about how they can work out the answer without doing a formal written method. Take feedback from the children, then go through the suggestion on the slides.	<ul style="list-style-type: none"> <li>Can children add using a column method?</li> <li>Can children subtract using a column method?</li> <li>Can children add and subtract decimals using a column method?</li> </ul>	