

# Choosing Methods

Maths

Year 6

Lesson 3 of 5

Learning Objective		Resources	
To practise different multiplication and division methods.		Slides Wheel Sheet A/B/C Worksheet 3A Famous People Cards A/B (FSD? activity only)	
Teaching Input			
<ul style="list-style-type: none"> <li>Show children the multiplication question on the slides. Can you solve this question? Children to have a go on their mini-whiteboards, then complete the calculation together to check.</li> <li>Show the children the different multiplication methods on the slide. Which did you use? Why? Children to share their ideas.</li> <li>Show them the multiplication question on the slide. Can they solve it using the formal multiplication method?</li> <li>Repeat this for the other multiplication problems on the slides.</li> <li>Now show the division question on the slides. How could you solve this? Children to answer the question on their mini-whiteboards, then go through the information recapping chunking division and short division. What method did you use? Why? Children to share their ideas.</li> <li>Go through the other division problems on the slides. Can they solve them using short division? The chunking method is displayed as well as the short division method, to support the children.</li> </ul>			
Main Activity			
<u>Lower ability:</u>	<u>Middle ability:</u>	<u>Higher ability:</u>	
Provide the children with Wheel Sheet A and worksheet 3A. The sheet has a multiplication and division wheel on it. The children will spin the wheel, record the question on their worksheet and answer it.	Provide the children with Wheel Sheet B and worksheet 3A. The sheet has two wheels on it. The children will spin both wheels to create their multiplication or division number sentence. They will record the number sentence on their worksheet and answer it.	Provide the children with Wheel Sheet C and worksheet 3A. The sheet has two wheels on it. The children will spin both wheels to create their multiplication or division number sentence. They will record the number sentence on their worksheet and answer it.	
Fancy something different...?			
<ul style="list-style-type: none"> <li>Organise the children into pairs or small groups. Provide them with the Famous People Cards A or B depending on ability. They will use multiplication or division to work out the missing famous people facts.</li> <li>When they have answered all the questions they should share the cards equally between the people in their pair or group. One person will then choose a fact and share the associated multiplication or division question. The other children/child has to work out the answer. If they get the answer right within a set amount of time they take the card. If they get it wrong the question asker keeps the card. The children should take turns asking questions until you feel an appropriate amount of time has been spent playing the game.</li> <li>The winner is the person who has the most cards when the game ends.</li> </ul>			
Plenary		Assessment Questions	
Challenge children to think of an $HTO \div O$ calculation that will have a remainder of one (r1). Allow 30–60 seconds for children to do this, then write a short division or chunking method calculation on mini whiteboards which proves the calculation they thought of has a remainder of one. Can you describe how you thought of your calculations? Discuss.		<ul style="list-style-type: none"> <li>Can children multiply using the short and long multiplication methods?</li> <li>Can children divide using the short division methods?</li> <li>Can children think of their own multiplication and division questions?</li> </ul>	