

Sample Lesson Plan: Building Multiplication Fluency (Year 4)



Aim: To answer multiplication facts within 6 seconds in preparation for MTC. I can answer multiplication facts fluently.	Success Criteria I can answer multiplication questions within 6 seconds.	Resources: Sumdog Whiteboards
	Key/New Words: Multiplication, fluency, accuracy, efficiency, agility.	Preparation: Differentiated Sumdog multiplication focus as appropriate. Sumdog MTC practice.

Prior Learning: Students have a solid foundation of conceptual understanding of multiplication, including commutative, associative and distributive properties.

Learning Sequence

Starter	Students start with a quick-fire multiplication practice on Sumdog . The teacher will have differentiated this as appropriate.
Main Activity	<p>Teacher places a Sumdog abstract multiplication on the screen and students quickly write their answer on whiteboards, using a show me activity.</p> <p>Building on metacognition and mental agility, students discuss some of the commutative, associative and distributive properties of multiplication and the strategies they used to solve, including the patterns and relationships. This uses Sumdog skill: 4.N.MD.3.*</p> <p>Students then take part in the MTC practice session on Sumdog.</p> <div><div>Solve x questions using the associative property</div><div>5 × 6 × 6 = ?</div><div><div>36 × 6 = 216</div><div>5 × 30 = 150</div><div>6 × 25 = 150</div><div>5 × 36 = 180</div></div></div>
Plenary	<p>Students finish with a game of Sumdog multiplication bingo, students write down numbers 1-144. The teachers read out a multiplication sum and the students score out the product.</p> <p>The winner receives 50 Sumdog coins awarded by their teacher.</p>

Please note that Premium features referenced in this framework are indicated with an asterisk (*).