Linking Multiplication and Division : Maths : Year 3 : Spring Term

PlanBee

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to count on and back in patterns.	Children will practise counting on and back in steps of a certain size. Starting as a whole class, your children can then work out some number patterns suited to their ability level, using a hundred square to support them.	• Could the children count on and back in twos? • Could the children count on and back in threes and fours? • Could the children count on and back in sevens, eights and nines?	• Slides • Worksheet 1A/1B/1C • Hundred Square • Pattern Cards A/B/C (FSD? activity only)
Lesson 2	To revise multiplication facts and their corresponding division facts.	Children will explore the link between multiplication and division, establishing how to derive 'fact families' from one given multiplication or division fact. They will identify whether given multiplication or division statements are correct or solve some missing number problems.	• Can children recall facts for the 3 and 4 times tables? • Can children recall facts for the 8 times tables? • Can children find corresponding division and multiplication facts for a given statement?	• Slides • Worksheet 2A/2B/2C • Fact Cards 2A/2B (FSD? activity only)
Lesson 3	To be able to recall multiplication facts quickly.	Children will practise multiplication facts for the 2, 3, 4, 5, 6 and 10 times tables. They will test their recall of these multiplication tables and have opportunities to identify strengths and weaknesses to help them develop their fluency.	• Do the children know their 2, 3, 4, 5, 6 and 10 times tables? • Do the children know their 2, 3, 4, 5, 6 and 10 times tables and corresponding division facts? • Can children answer quick-fire multiplication and division questions?	• Slides • Worksheet 3A/3B/3C • Stopwatches • Game Cards A/B/C (FSD? activity only)
Lesson 4	To be able to multiply and divide numbers by 10 and 100.	Children will explore what happens to a number when it is multiplied and divided by 10 and 100. Children will solve a variety of multiplication and division problems using reasoning activities or board games to practise these skills.	• Can children multiply a number by 10 or 100? • Can children divide a number by 10 or 100? • Can children multiply or divide numbers by 1000?	• Slides • Worksheet 4A/4B/4C • Dice • Spinner 4A • Game Board 4A/4B (FSD? activity only) • Question Cards 4A/4B (FSD? activity only) • Counters
Lesson 5	To be able to divide two-digit numbers by a single digit and check using the inverse.	Children will explore the concept of division as repeated subtraction, using a number line to support them. They will divide two-digit numbers by single digits, and solve problems involving remainders.	• Can children divide numbers by two and three? • Can children divide numbers by four, five and ten? • Can children check their answers using the inverse?	• Slides • Worksheet 5A/5B/5C • Question Sheet A/B/C (FSD? activity only)

NB: 'FSD? Activity only' refers to the alternative 'Fancy Something Different...?' activity within the lesson plan