Working with Numbers: Maths : Year 6 : Spring Term

PlanBee

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to multiply and divide by 10, 100 and 1000.	Children will recap the effect of multiplying and dividing numbers by 10 and 100, then extend this to looking at the effect of multiplying and dividing by 1000. They can then apply this to various numbers with up to six numbers through a variety of differentiated activities.	• Can the children multiply and divide by 10? • Can they multiply and divide by 100? • Can they multiply and divide by 1000?	• Slides • Jigsaw 1A/1B/1C • Operation Cards (FSD? activity only) • Worksheet 1A (FSD? activity only)
Lesson 2	To be able to multiply and divide decimals by 10 and 100.	Children will recap how to multiply and divide whole numbers by 10, 100 and 1000. They will then explore how to multiply and divide numbers with up to three decimal places by 10 and 100. During the plenary, they will explore the effect of multiplying and dividing decimals by 1000 and 10,000.	• Can they multiply decimals by 10? • Can they multiply and divide decimals by 10 and 100? • Can they multiply and divide decimals by 1000 and 10,000?	• Slides • Number Cards 2A/2B/2C • Question Cards • Calculation Web 2A/2B (FSD? activity only)
Lesson 3	To be able to round numbers to a specified degree of accuracy.	Children will recap rounding rules before looking at how to round numbers to the nearest 10, 100, 1000, 10,000, 100,000 and 1,000,000. Children will round various numbers to a specified degree of accuracy, and round the same number in a variety of ways.	• Can children round to 10 and 100? • Can children round to 10, 100 and 1000? • Can children round to any given power of ten to a million?	• Slides • Digit Cards 3A/3B/3C • Worksheet 3A/3B/3C • Challenge Cards (FSD? activity only) • Access to internet (FSD? activity only) • Bingo Grids (plenary) • Bingo Answer Sheet (plenary)
Lesson 4	To be able to order positive and negative numbers, and calculate intervals over zero.	Children will order sets of positive and negative numbers using their understanding of place value. They will then calculate intervals across zero by finding the difference between a positive and negative number, using number lines to support them and notation such as 14 - (-35) = 49 to record their calculations.	• Can children give examples of how negative numbers are used in real life? • Can children order positive and negative numbers? • Can children calculate intervals over zero?	• Slides • Game Board 4A/4B/4C • Game Cards 4A/4B/4C • Question Cards (FSD? activity only) • Information Sheet (FSD? activity only) • Fact Hunt Sheet (FSD? activity only)
Lesson 5	To be able to use negative numbers in context.	Children will calculate the difference between positive and negative numbers in context as they calculate the differences in elevations. They will also compare elevations. They will use number lines where necessary to support their calculations and use appropriate number sentences to record their calculations.	• Can children order and compare positive and negative numbers? • Can children calculate intervals across zero? • Can children solve problems involving negative numbers?	• Slides • Worksheet 5A/5B/5C/5D • Fact Sheet 5A/5B/5C • Country Cards (FSD? activity only) • Access to the internet (FSD? activity only)

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