Fractions and Time : Maths : Year 4 : Autumn Term

PlanBee

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to identify the value of tenths and hundredths in a number.	Children will identify the value of numbers with two decimal places. They will learn how to express tenths and hundredths in both decimals and fractions, matching one to the other to express equivalences.	• Do children know how tenths are expressed as a fraction and a decimal? • Do children know how hundredths are expressed as a fraction and a decimal? • Can children describe the value in each digit of numbers with two decimal places?	• Slides • Worksheet 1A/1B/1C • Number Machines (FSD? activity only) • Number Machine Digit Strips (FSD? activity only)
Lesson 2	To find out the effect of dividing one- and two-digit numbers by 10 and 100.	Children will explore the effects of dividing numbers by 10 and 100 to give answers with two decimal places. They will learn to express the answers in both decimals and fractions.	• Can children recognise the effect of dividing a number by 10? • Can children recognise the effect of dividing a number by 100? • Can children identify the value of decimals and fractions as tenths and hundredths?	• Slides • Worksheet 2A/2B/2C • Number Sentence Cards 2A/2B (FSD? activity only) • Blank Number Sentence Cards (FSD? activity only)
Lesson 3	To recognise and show families of equivalent fractions.	Children will explore families of equivalent fractions, using diagrams to support them. They will identify ways of expressing a fraction in as many ways as they can, using their understanding of the number system to find equivalences.	• Can children identify equivalent fractions through diagrams? • Can children identify equivalent fractions using a fraction wall? • Can children identify equivalent fractions using their knowledge of how fractions are related to each other?	• Slides • Worksheet 3A/3B/3C • Fraction Bingo sheet (FSD? activity only) • Fraction Wall Chart (FSD? activity only)
Lesson 4	To be able to tell the time to the nearest minute on an analogue clock.	Children will recap how to split an analogue clock face into quarters to help tell the time, before reading and writing the time accurately on analogue clocks. They can also solve word problems relating to time by calculating time intervals.	• Can children read the time accurately on an analogue clock? • Can children write the time accurately on an analogue clock? • Can children use their knowledge of time to solve problems?	• Slides • Worksheet 4A/4B/4C • Word Problem Cards 4A/4B (FSD? activity only) • Clock Cards 4A/4B (FSD? activity only) • Blank Clock Cards (FSD? activity only)
Lesson 5	To be able to read and write the time on digital clocks.	Children will recap the relationship between analogue and digital time, before reading and writing the time accurately on digital clocks. They will match digital times with analogue times.	• Can children read the time accurately on digital clocks? • Can children write the time accurately on digital clocks? • Can children convert analogue and digital times?	• Slides • Worksheet 5A/5B/5C • Digital and analogue clocks or watches (FSD? activity only)

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