Mereside
Church of England Primary Academy
Learn to Love, Love to Learn

Year: Year 6

Subject: Maths

Title: Decimals

What key knowledge do I need to have before this unit?

- I know that place value continues into the decimals as tenths and hundredths
- know that place value continues into the decimals as tenths and hundredths
- I know how to use the formal methods for addition and subtraction

I know complements to 10 and 100

Key outcomes:

What I need to know by the end of this unit of work:

I can understand place value with decimals.
I can round decimals.
I can add and subtract with decimals.
I can multiply by 10, 100 and 1,000.
I can divide by 10, 100 and 1,000.
I can multiply decimals by integers.
I can divide decimals by integers.
I can multiply and divide decimals in context.

National Curriculum Links:	Key Vocabulary:	Definition:
Identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places. Solve problems which require answers to be rounded to specified degrees of accuracy. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. Multiply 1-digit numbers with up to 2 decimal places by whole numbers Use written division methods in cases where the answer has up to 2 decimal places.	Decimal	A number that uses a dot (called a decimal point) to show parts of a whole. Example: In 3.5, the ".5" is the decimal part, meaning 5 tenths.
	Integer	A whole number
	Tenths	The first place to the right of the decimal point. It shows how many parts out of ten there are.
	Hundredths	The second place to the right of the decimal point. It shows how many parts out of one hundred there are.
	Thousandths	The third place to the right of the decimal point. It shows how many parts out of one thousand there are.
	Complement	A number that you add to another number to make a whole. Example: The complement of 0.3 is 0.7, because 0.3 + 0.7 = 1.
	Round	Changing a number to make it simpler but still close to the original. Example: Rounding 3.46 to the nearest tenth gives 3.5.
	Power of 10	A number like 10, 100, or 1,000 made by multiplying 10 by itself.