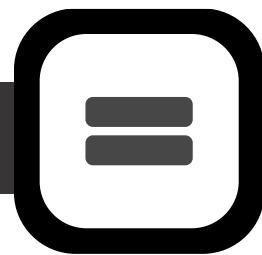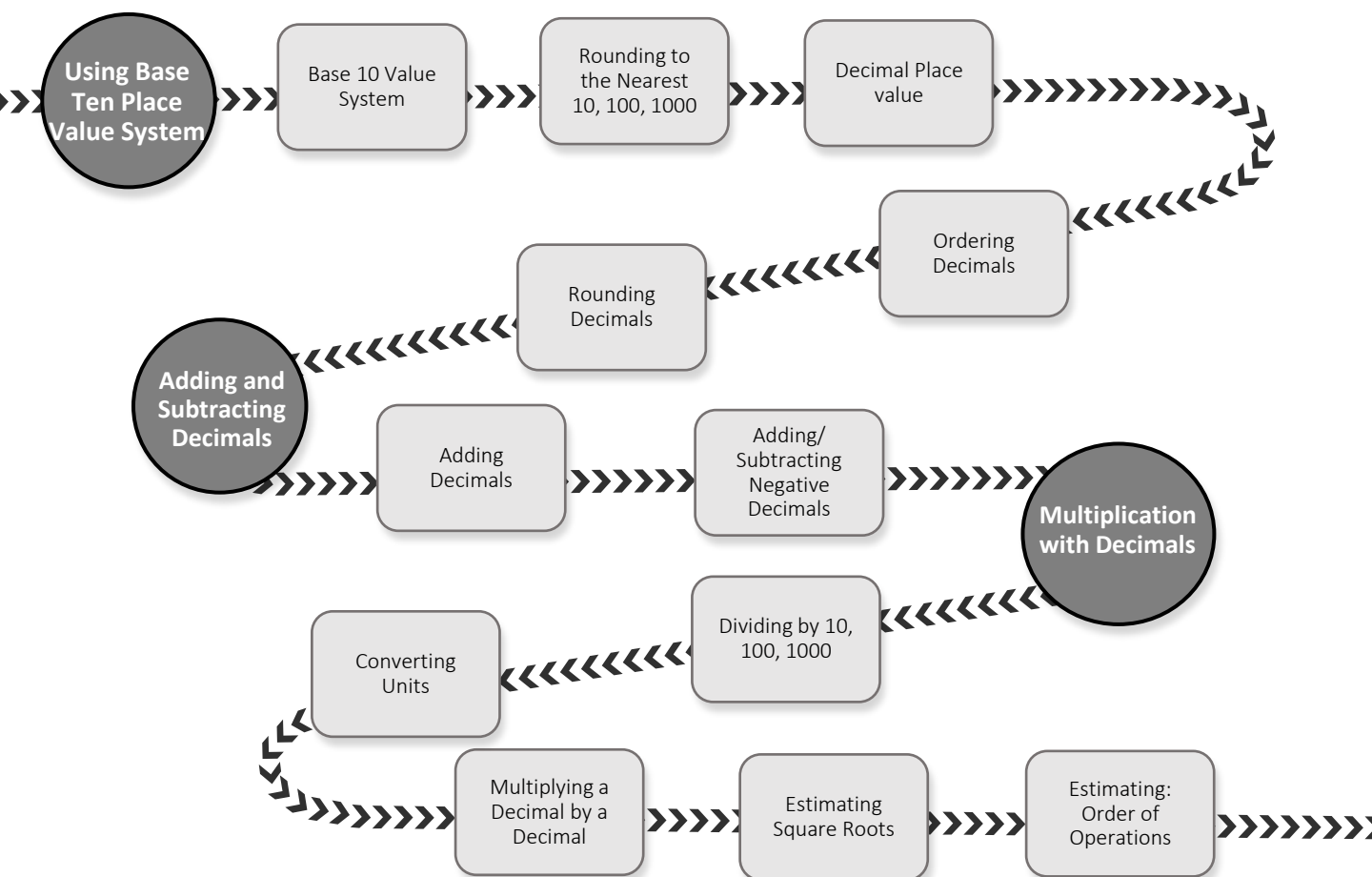# LEARNING JOURNEY | MATHS

Place Value and Decimals

Year 7 Spring Half Term 2

Did you know that the first recorded place value system was used by the Mesopotamians over 4000 years ago? They used a base 60 number system meaning they had 60 different numerical digits whereas we only have ten: 0-9.

This half term we will be sticking to the familiar base-ten system and in particular what happens in the place value to the right of the decimal point i.e. tenths, hundredths, thousandths etc. Decimals appear everywhere in real life and so it is crucial that we know how to handle them effectively as mathematicians.

Using Base Ten Place Value System → Base 10 Value System → Rounding to the Nearest 10, 100, 1000 → Decimal Place value → Ordering Decimals → Rounding Decimals → **Adding and Subtracting Decimals** → Adding Decimals → Adding/Subtracting Negative Decimals → **Multiplication with Decimals** → Dividing by 10, 100, 1000 → Converting Units → Multiplying a Decimal by a Decimal → Estimating Square Roots → Estimating: Order of Operations

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TUDOR HABITS AND VALUES: Our work this half term on decimals will require a lot of self-regulation as sometimes the problems are more difficult that they first appear.

VOCABULARY:
- ❏ Place Value
- ❏ Decimal
- ❏ Rounding
- ❏ Estimation
- ❏ Base-10