

Combining Functions

Station guide

Here we build some more formal definitions onto the understanding of properties of functions explored at [Thinking about Functions](#).

We take a good look at the ideas of domain and range. The article [Maths for dinner](#) gives some context for domain and range within the formal language of functions, while [Domain and range dominoes](#) is a practical activity that requires students to think about and work out domains and ranges of a set of functions.

Domain and range are important considerations when it comes to composing functions. In the resource [Compose!](#) students are asked to work out which functions have been composed to make a given set of result functions, while in [Composing gets me nowhere](#) we investigate self-inverse functions.

Other ways of combining functions are explored in [Function builder I](#), and in [Translating or not?](#) students are asked to sketch graphs of some reciprocal functions. Transformations of a parabola are the focus of [Name that graph again](#) and [It's a matter of perspective](#).

Resources addressing more introductory ideas around transformations and inverse functions will be coming shortly.