

# Teaching Mathematics: Using arithmetic and reasoning to problem solve

## Does arithmetic have more time than reasoning in your curriculum?

### Course Outline

A one day centralised training course to challenge delegates that reasoning and problem solving is more valuable to a young mathematician than arithmetic.

Jo Boaler says that the powerful thinkers are those who make connections, think logically and use space, data and numbers creatively. How do you balance procedural fluency and conceptual understanding for your learners?

### By the end of the day delegates will:

- have a greater awareness of the need for balance between procedural fluency and conceptual understanding
- understand how mathematical fluency is developed through reasoning and problem solving about number
- examine the KS2 National Curriculum Tests (2017) by critiquing questions, looking at and considering the balance of curriculum content and offering specific feedback about areas that need further attention.

### Phase

Primary

### Audience

Subject Leader

### Trainer

Anna Hogg

### Date

04/12/2017

### Time

9:30 am – 4:00 pm

### Venue

Norwich Professional Development Centre

### Cost

£165 per delegate

### Course Ref

TLS-0118-T025



For more information and to make a booking

[www.educatorsolutions.org.uk](http://www.educatorsolutions.org.uk) or call 01603 307710