

Stage 8 Calculating

KEYWORDS

- Fluently recall and apply multiplication facts up to 12×12
- Know and use column addition and subtraction
- Know the formal written methods for long multiplication and short division.
- Apply the four operations with fractions and mixed numbers
- Convert between an improper fraction and a mixed number
- Know the order of operations for the four operations and brackets



- Confidently work with negative numbers; adding, subtracting, multiplying and dividing with them.
- Apply the order of operations to multi-step calculations involving up to four operations and brackets
- Work with a given calculation.

- Calculate
- Indices
- Multiply
- Divide
- Operation
- Integer say *in tu jur*
- Brackets-1797, of printed matter, "to enclose in brackets,"
- Roots
- Directed Number
- Negative Number

Calculating - Targets	Before Topic	After Topic	Teacher Mark
Be able to add and subtract with negative numbers.			
Be able to multiply and divide with negative numbers.			
Be able to square and cube negative numbers.			
Calculate with negative numbers on a scientific calculator.			
Be able to work out answers using a given calculation.			
Be able to make a calculation correct by adding brackets.			
Know how to use powers with the order of operations.			
Know how to use roots within the order of operations.			