

Choice Calculations

You need: a basic calculator (optional), a classmate

ACTIVITY ONE

$+$, $-$, \times , and \div are some of the operations that we use on numbers.

Louisa and Kiri are trying to put operation signs in the empty boxes to make this equation correct:

$$4 \square 3 \square 6 \square 2 = 15$$

$4 + 3 + 6 + 2 = 15$
That works!

$4 \times 3 + 6 \div 2 = 15$
You do the multiplication and division first, so this one works, too!

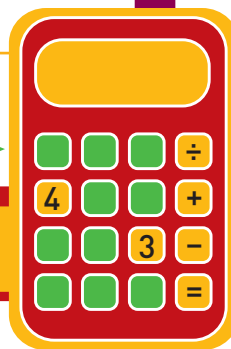


- Solve the following operation-sign problems:
 - $3 \square 6 \square 2 \square 9 = 0$
 - $4 \square 6 \square 3 \square 6 = 6$
 - $2 \square 3 \square 3 \square 2 = 5$
 - $8 \square 4 \square 2 \square 1 = 1$
 - Can you solve any of these problems in more than one way?
- Make up some missing-operations problems for a classmate to solve.

No brackets are used, so you must do multiplication and division before you do addition and subtraction.

ACTIVITY TWO

Tariq's calculator carries out operations in the order that they occur. However, his calculator has only these keys working:



Tariq worked out $78 \div 3$ like this: $44 + 34 \div 3 = 26$

- How can he use his calculator to work out:
 - $34 \times 6?$
 - $111 \div 3?$
 - $29 \times 4?$
- Make up some other expressions that Tariq could do on his broken calculator. Give them to a classmate to solve.