

Be the Boss!



Type 5508 into your calculator and turn it upside down.

What are you? **8** **0** **5** **5**

Your challenge is to find 10 different ways of creating 5508 using the calculator.

Be creative and find the most interesting way to write BOSS.

1		2	
3		4	
5		6	
7		8	
9		10	

Green	using only one of +, -, x and ÷
Amber	using a combination of + and - with x and ÷ using brackets (or careful use of order of calculations and =)
Red	using a mixture and possibly squares and square roots

Aim of the game

To create different calculations which equal 5508 and to be as creative as possible with the numbers and operations (+ - × ÷ $\sqrt{\quad}$ etc.)

How to play

Use any calculator you have at home, on a computer or on a phone.

How many different calculations can you find which have the answer 5508?

5500 + 8 is a start but can you be more creative?

Can you use × and ÷ calculations? Can you use a mixture of operations + - × ÷?

Can you use squares and square roots?

The Green, Amber and Red ideas might help you to think of other possibilities.

- Green** – using only one of +, -, × and ÷
- Amber** – using a combination of + and - with × and ÷
– using brackets (or careful use of order of calculations and =)
- Red** – using a mixture and possible squares and square roots

You don't have to stop at ten different ways!

Using a calculator

Does it matter which order you enter the calculations?

Top Tips

In Year 6, children learn about BODMAS or BIDMAS which helps them to remember the order of operations:

B – brackets

O/I – indices (powers)

D and **M** – division and multiplication (in any order)

A and **S** – addition and subtraction (in any order)

If you use a scientific calculator then it will automatically apply this rule. A basic (four operation) calculator will not. If you have both then it is interesting to compare the answers when you enter the same calculation into each.