

The Four Sevens

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$$(5 + 5) \times (5 + 5) = 100$$

Four 5's written with simple arithmetical signs can be arranged into 100 in quite a straightforward way - just as shown.

Now the question is can you arrange exactly four 7's with arithmetical signs so that they total 100? Is there any trick or not?

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$$(7/.7) \times (7/.7) = 100$$

The way to write four 7's with simple arithmetical signs in order to produce 100 is shown above. The fraction, 7 over decimal 7, equals 7 divided by 7/10, which in turn is the same as 70 divided by 7, or 10. Then 10 multiplied by 10 is 100. Such an equation's scheme can be applied to any number.