

3 CHALLENGE

Make nine in ten minutes

Use any of the digits 0 to 9 and the rules below, to find as many different ways as you can to make **nine** using decimals with one number after the decimal point (tenths) in ten minutes.

Rules

- 1 You can add or subtract or use a combination of both to make an equation.

Examples $6.3 + 2.7 = 9$ $1.2 + 3.8 + 4.0 = 9$
 $12.5 - 3.5 = 9$ $2.3 + 7.6 - 0.9 = 9$

- 2 You **cannot** use the same digit twice in any **addition** equation or equation that has **both addition and subtraction**.

Examples $4.3 + 5.7 = 9$ is allowed but $6.5 + 2.5$ is **not** allowed because 5 is used more than once.

$5.6 + 4.7 - 1.3$ is allowed because all of the digits are different.

$6.7 + 3.4 - 1.1$ is **not** allowed because it has two 1s.

- 3 You can use **one** of the digits twice in any **subtraction** equation.

Examples $16.4 - 7.4$ is allowed but $15.6 - 6.6$ is not because 6 is used 3 times.

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