

Digital Roots

Investigate how to check calculations using the digital root.

Step 1: Write down four 2-digit numbers and find the digital root of each 2-digit number.

e.g. 23 46 91 35

$$2 + 3 = 5 \qquad 4 + 6 = 10 \quad 9 + 1 = 10 \qquad 3 + 5 = 8$$
$$1 + 0 = 1 \qquad 1 + 0 = 1$$

Step 2: Find total of the digital roots

e.g. $5 + 1 + 1 + 8 = 15$

$$1 + 5 = \underline{6}$$

Step 3: Then add the four 2-digit numbers together.

e.g. $23 + 46 + 91 + 35 = 195$

Step 4: Find the digital root of the total.

e.g. $1 + 9 + 5 = 15$

$$1 + 5 = \underline{6}$$

Do the two answers correspond?

Sometimes / Always



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