Sums

He looked at the locked screen but saw on it a few sums. Not knowing what to do, he took out his calculator and went to work. Something slowly emerged; he felt it tingling in his fingertips.

$$1. \sum_{k=96}^{527} k$$

$$2. \sum_{k=32}^{354} 2k$$

$$3. \sum_{k=1}^{41560} (k \pmod 7)$$

$$4. \left(\sum_{k=21}^{101} k^2 \right) + (-2)$$

$$5. \sum_{k=1}^{1160} \lfloor \sqrt{k} \rfloor$$

$$6. \sum_{k=1}^{517} \lfloor \ln k \rfloor$$

$$7. \sum_{k=1}^{12263} 3$$

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