1.2.4 Compute $(1 + 2 + 3 + \cdots + 49 + 50) + (99 + 98 + 97 + \cdots + 51 + 50)$.

1.3.1 What is the value of the product $25 \cdot 17 \cdot 4 \cdot 20$? *(Source: MOEMS)*

1.4.3 What is the sum $-10 + (-9) + (-8) + \cdots + 9 + 10 + 11 + 12$?

1.4.4 What is the value of $210 \cdot 5 + 105 \cdot (-9)$? *(Source: MATHCOUNTS)*

1.4.5 What is $9342 + (-438)719 + (-9340) + (-438)(-719)$? *(Source: MATHCOUNTS)*

1.5.6 Compute $100 - 2 + 101 - 4 + 102 - 6 + 103 - 8 + 104 - 10$. *(Source: MATHCOUNTS)*

1.5.7 Compute $(1901 + 1902 + 1903 + \cdots + 1993) - (101 + 102 + 103 + \cdots + 193)$. *(Source: AMC 8)*

1.5.11$\star$ The sum of the first 10,000 positive even numbers is how much more than the sum of the first 10,000 positive odd numbers?

1.6.5 Compute $(2 \cdot 3 \cdot 4)\left(\frac{1}{2} + \frac{1}{3} + \frac{1}{4}\right)$. *(Source: AMC 8)*

1.7.4 Compute $777{,}777{,}777{,}770 \div 77{,}777{,}777{,}777$.

1.7.11 Compute $(124 + 104 + 84 + 64 + 44 + 24) \div (62 + 52 + 42 + 32 + 22 + 12)$.

1.50 Compute: $1 - 3 + 5 - 7 + 9 - 11 + 13 - 15 + 17 - 19 + 21 - 23 + 25$.

1.52 Express in simplest form: $(-20)\big((-3)(-15) - (-6)(3)\big)$. *(Source: MATHCOUNTS)*

1.54 Evaluate $40 \cdot \frac{1}{8} + 40 \div \frac{1}{8} + 40 \cdot \frac{1}{5} + 40 \div \frac{1}{5}$.

1.55 Express in simplest form: $\big(6 \div (-3)\big)(4 - 12)$. *(Source: MATHCOUNTS)*

1.68 What is the product $\big(40 + (-10)\big)\big(36 + (-9)\big)\big(32 + (-8)\big)\cdots\big(-32 + 8\big)\big(-36 + 9\big)\big(-40 + 10\big)$ where the first number in each factor is decreasing by 4, and the second number in each factor is increasing by 1? *(Source: MATHCOUNTS)*

1.75★ Find the sum of the digits in the answer to

$$\underbrace{9999\ldots99}_{\text{94 nines}} \times \underbrace{4444\ldots44}_{\text{94 fours}}.$$

The first number has 94 digits, each of which is a 9. The second number also has 94 digits, each of which is a 4. *(Source: AMC 8)* **Hints:** 57, 143