Zad. 5

$$3\frac{1}{2019}\cdot 2\frac{1}{2020}+1\frac{2019}{2020}\cdot 1\frac{1}{2019}-2\cdot\left(\frac{2}{2019}+\frac{1}{2020}\right)=$$

$$=\frac{(3\cdot 2019+1)(2\cdot 2020+1)}{2019\cdot 2020}+\frac{(2020+2019)(2019+1)}{2019\cdot 2020}-$$

$$-\frac{2\cdot(2\cdot 2020+2019)}{2019\cdot 2020}=\frac{L}{2019\cdot 2020}$$

$$L=6\cdot 2019\cdot 2020+3\cdot 2019+2\cdot 2020+1+2019\cdot 2020+$$

$$+2020+2019\cdot 2019+2019-4\cdot 2020-2\cdot 2019=$$

$$=7\cdot 2019\cdot 2020+2019\cdot 2019+2\cdot 2019-2020+1$$

$$\frac{L}{2019\cdot 2020}=\frac{7\cdot \cancel{2019}\cdot \cancel{2020}+\cancel{2019}\cdot 2019+2\cdot \cancel{2019}+1-\cancel{2020}}{2019\cdot 2020}$$

$$=7+\frac{2019}{2020}+\frac{2}{2020}+\frac{1}{2019\cdot 2020}-\frac{1}{2019}=$$

$$=7+\frac{2021}{2020}+\frac{1}{2019\cdot 2020}-\frac{2020}{2019\cdot 2020}=$$

$$=8+\frac{1}{2020}-\frac{\cancel{2019}}{\cancel{2019}\cdot 2020}=$$

$$=8+\frac{1}{2020}-\frac{1}{2020}=8$$