

Esercizi Addizione MONOMI

$$1. 2a + 5ab + 4a - (-a + ab) + \frac{1}{2}a - ab - \left(\frac{2}{3}a + ab\right) =$$

$$2a + 5ab + 4a + a - ab + \frac{1}{2}a - ab - \frac{2}{3}a - ab =$$

$$\frac{12 + 24 + 6 + 3 - 4}{6}a + 2ab =$$

$$\frac{41}{6}a + 2ab$$

$$2. 5x + 2y - \left(\frac{1}{2}x - \frac{3}{4}y\right) + 2x - 6y - \left(-y - \frac{2}{3}x\right) + \frac{1}{2}x - \frac{2}{5}y =$$

$$5x + 2y - \frac{1}{2}x + \frac{3}{4}y + 2x - 6y + y + \frac{2}{3}x + \frac{1}{2}x - \frac{2}{5}y =$$

$$\frac{30 - 3 + 12 + 4 + 3}{6}x + \frac{40 + 15 - 120 + 20 - 8}{20}y =$$

$$\frac{46}{6}x - \frac{53}{20}y =$$

$$3. 2b + 3a - \left(\frac{1}{3}b + \frac{2}{5}a\right) - \left(2a - \frac{3}{2}b\right) - \frac{1}{5}a - \frac{2}{3}b + 5a - 2a - 3b =$$

$$2b + 3a - \frac{1}{3}b - \frac{2}{5}a - 2a + \frac{3}{2}b - \frac{1}{5}a - \frac{2}{3}b + 5a - 2a - 3b =$$

$$\frac{12 - 2 + 9 - 4 - 18}{6}b + \frac{15 - 2 - 10 - 1 + 25 - 10}{5}a =$$

$$\frac{-3}{6}b + \frac{17}{5}a = -\frac{1}{2}b + \frac{17}{5}a$$

$$4. 2a^2 + 3ab - a^2 - \left(\frac{1}{2}a^2 + \frac{2}{3}ab\right) - \left(2ab - \frac{1}{3}a^2\right) + ab - 3a^2 =$$

$$2a^2 + 3ab - a^2 - \frac{1}{2}a^2 - \frac{2}{3}ab - 2ab + \frac{1}{3}a^2 + ab - 3a^2 =$$

$$\frac{12 - 6 - 3 + 2 - 18}{6}a^2 + \frac{9 - 2 - 6 + 3}{3}ab = \frac{-13}{6}a^2 - \frac{4}{3}ab$$