

ZLOMKY S PROMĚNNOU

DOPLŇKOVÁ VÝUKA 9

$$1. \quad \frac{a}{2} + \frac{a}{3} = \frac{3a+2a}{6} = \frac{5a}{6}$$

$$2. \quad \frac{3b}{4} - \frac{2b}{3} = \frac{9b-8b}{12} = \frac{b}{12}$$

$$3. \quad \frac{1}{2}x - \frac{1}{3}x - \frac{1}{4}x = \frac{6x-4x-3x}{12} = -\frac{x}{12}$$

$$4. \quad \frac{2a+1}{6} - \frac{3a-1}{8} = \frac{8a+4-9a+3}{24} = \frac{-a+7}{24}$$

$$5. \quad \frac{3c+2}{5} + \frac{2c-3}{6} - \frac{c+2}{8} = \frac{72c+48+40c-60-15c-30}{120} = \frac{97c-42}{120}$$

$$6. \quad \left(\frac{x}{2} - \frac{x}{3}\right) : \frac{x}{6} = \frac{3x-2x}{6} : \frac{x}{6} = \frac{x}{6} : \frac{x}{6} = 1$$

$$7. \quad \frac{2y-3}{4} - \frac{y-1}{2} = \frac{2y-3-2y+2}{4} = -\frac{1}{4}$$

$$8. \quad \frac{3m}{2} + \frac{2m}{2 \cdot 2 - 1} - \frac{7m-3m}{3 \cdot 3 - 7} = \frac{3m}{2} + \frac{2m}{3} - \frac{4m}{2} = \frac{9m+4m-12m}{6} = \frac{m}{6}$$