

◇ 単項式の除法

$$\text{例(1)} \quad 8a^2b \div 4ab = 8a^2b \times \frac{1}{4ab}$$

$$= \frac{\textcircled{2} 8a^2b}{\cancel{4} \cancel{a} \cancel{b}}$$

$$= 2a$$

... ④ 約分して
残ったものを
〇で囲む

$$(2) \quad \frac{4}{9}x^3y^2 \div \left(-\frac{2}{3}xy\right) \quad \textcircled{\times} -\frac{2xy}{3} \rightarrow -\frac{3}{2xy}$$

$$= \frac{4}{9}x^3y^2 \times \left(-\frac{3}{2xy}\right)$$

$$= \ominus \frac{\textcircled{2} \cancel{4} \cancel{x^2} \cancel{y}^2 \times \cancel{3}}{\textcircled{3} \cancel{2} \times \cancel{2} \cancel{x} \cancel{y}}$$

$$= -\frac{2x^2y}{3} \left(-\frac{2}{3}xy\right)$$

④ 符号を決めて
1つの式に

(注意) $\frac{y}{y} = 1$

Ex. (1) $20ab \div 4a \cdot 5b$

(2) $18x^3 \div (-6x) = -3x^2$

(3) $\frac{2}{3}x^2y \div \left(-\frac{5}{6}xy\right)$

$$= \frac{2}{3}x^2y \times \left(-\frac{6}{5xy}\right)$$

$$= -\frac{4x}{5}$$