

2年数学 5/11 (A) 分の解答

P16 仕上げ①

$$(1) 5x \times 4y \\ = 20xy$$

$$(2) 3x \times (-6y) \\ = -18xy$$

問題 1

$$(1) (-3n) \times (-2m) \\ = 6mn$$

$$(2) (-2ab) \times 4c \\ = -8abc$$

$$(3) \frac{1}{3}y \times 6x \\ = 2xy$$

仕上げ②

$$(1) 5a \times (-a^2) \\ = -5a^3$$

$$(2) (-2x)^2 \\ = (-2x) \times (-2x) \\ = 4x^2$$

問題 2

$$(1) ab \times 4ab^2 \\ = 4a^2b^3$$

$$(2) (-a)^3 \times 2b \\ = (-a) \times (-a) \times (-a) \times 2b \\ = -2a^3b$$

2年数学 $\frac{5}{13}$ (水) 分の解答

P17. ① ② ③

$$\begin{aligned} (1) \quad 6ab \div 3a \\ &= 6ab \times \frac{1}{3a} \\ &= \frac{6ab}{3a} \\ &= 2b \end{aligned}$$

$$\begin{aligned} (2) \quad (-10xy) \div \frac{5}{2}x \\ &= (-10xy) \times \frac{2}{5x} \\ &= \frac{-10xy \times 2}{5x} \\ &= -4y \end{aligned}$$

問3

$$\begin{aligned} (1) \quad 9xy \div (-3xy) \\ &= 9xy \times \left(-\frac{1}{3xy}\right) \\ &= -\frac{9xy}{3xy} \\ &= -3 \end{aligned}$$

$$\begin{aligned} (2) \quad 8x^2 \div (-6x) \\ &= 8x^2 \times \left(-\frac{1}{6x}\right) \\ &= -\frac{8x^2}{6x} \\ &= -\frac{4}{3}x \end{aligned}$$

$$\begin{aligned} (3) \quad (-4xy^2) \div \frac{1}{2}xy \\ &= (-4xy^2) \times \frac{2}{xy} \\ &= \frac{-4xy^2 \times 2}{xy} \\ &= -8y \end{aligned}$$

$$\begin{aligned} (4) \quad \frac{2}{3}b^2c \div \frac{5}{6}bc^2 \\ &= \frac{2b^2c}{3} \times \frac{6}{5bc^2} \\ &= \frac{2b^2c \times 6}{3 \times 5bc^2} \\ &= \frac{4b}{5c} \end{aligned}$$

$= -\frac{2}{5}ab$
 ② ③ の方
 ⑤ ⑥ の方

問4

$$\begin{aligned} 2ab^2 \div \frac{5}{2}a &= 2ab^2 \times \frac{2}{5a} \\ &= \frac{2ab^2 \times 2}{5a} \\ &= \frac{4}{5}b^2 \end{aligned}$$

2年数学 5/14 (木) 分の解答

P18 ① ㊦

$$\begin{aligned} (1) a^2 \times b \div ab &= a^2 \times b \times \frac{1}{ab} \\ &= \frac{a^2 \times b \times 1}{ab} \\ &= a \end{aligned}$$

$$\begin{aligned} (2) b \div ab \times ab^2 &= b \times \frac{1}{ab} \times ab^2 \\ &= \frac{b \times 1 \times ab^2}{ab} \\ &= b^2 \end{aligned}$$

問5:

$$\begin{aligned} (1) a^2b \div ab^2 \times 3 &= a^2b \times \frac{1}{ab^2} \times 3 \\ &= \frac{a^2b \times 1 \times 3}{ab^2} \\ &= \frac{3a}{b} \end{aligned}$$

$$(2) 8x^3 \div (-4x) \div x$$

$$\begin{aligned} &= 8x^3 \times \left(-\frac{1}{4x}\right) \times \frac{1}{x} \\ &= \frac{8x^3 \times (-1) \times 1}{4x \times x} \end{aligned}$$

$$= -2x$$

$$\begin{aligned} (3) (-2x)^3 \times x \div (-2x) &= -8x^3 \times x \times \left(-\frac{1}{2x}\right) \\ &= \frac{-8x^3 \times x \times (-1)}{2x} \end{aligned}$$

$$= 4x^3$$

問6

$$\begin{aligned} 6a^3b \div 2a^2 \times 3b &= 6a^3b \times \frac{1}{2a^2} \times 3b \\ &= \frac{6a^3b \times 1 \times 3b}{2a^2} \\ &= 9ab^2 \end{aligned}$$

この「 $\div 2a^2 \times 3b$ 」の部分に「 $\div 6a^2b$ 」と計算して113のかけ算に。乗法と除法が混ざっている計算は、全て乗法にしない。結合法則は使えない。