

受験算数の計算達人～第19回比の計算（比例式）①～

氏名： 解答・解説

例題 □に当てはまる数を答えなさい。

(1)  $3:5 = \square:180$

$$5 \times \square = 540$$

$$\square = 540 \div 5 = \underline{108}$$

(2)  $16:72 = \square:24.3$

$$\div 8 \downarrow \quad 2:9$$

$$2:9 = \square:24.3$$

$$9 \times \square = 48.6$$

$$\square = 48.6 \div 9 = \underline{5.4}$$

(3)  $4.2:5.25 = \square:\frac{5}{12}$

$$\times 100 \downarrow \quad 420:525$$

$$\div 105 \downarrow \quad 4:5$$

$$4:5 = \square:\frac{5}{12}$$

$$5 \times \square = \frac{5}{3}$$

$$\square = \frac{5}{3} \div 5 = \underline{\frac{1}{3}}$$

(4)  $1\frac{2}{3}:1.75 = \square:21$

$$\times 12 \downarrow \quad \frac{5}{3}:\frac{7}{4}$$

$$20:21$$

$$20:21 = \square:21$$

$$\square = \underline{20}$$

(5)  $13.6:(5+\square) = 8:3$

$$\textcircled{1} \quad (5+\square) \times 8 = 40.8$$

$$\textcircled{2} \quad \square = 40.8 \div 8 = 5.1$$

$$5+\square = 5.1$$

$$\square = 5.1 - 5 = 0.1$$

(6)  $(\square - 2\frac{3}{4}) : \frac{5}{4} = 3:5$

$$\textcircled{1} \quad (\square - 2\frac{3}{4}) \times 5 = \frac{15}{4}$$

$$\textcircled{2} \quad \square = \frac{15}{4} \div 5 = \frac{3}{4}$$

$$\square - 2\frac{3}{4} = \frac{3}{4}$$

$$\square = \frac{3}{4} + 2\frac{3}{4} = 2\frac{6}{4} = 3\frac{1}{2}$$

★ポイント！（比例式）

ア:イ = ウ:エ なら

$\underline{\underline{ア \times エ = イ \times ウ}}$