

◆プリント1◆

1 ① 24 cm^3 ② 22 cm^3

2 ① $3 \times 3 \times 3 = 27$ 27 cm^3

② $3 \times 6 \times 2 = 36$ 36 cm^3

3 $5 \times 7 \times 2 = 70$ 70 cm^3

◆プリント2◆

1 ① 36 cm^3 ② 32 cm^3

2 ① $4 \times 4 \times 4 = 64$ 64 cm^3

② $5 \times 6 \times 10 = 300$ 300 cm^3

3 $6 \times 7 \times 3 = 126$ 126 cm^3

◆プリント3◆

1 ① 24 cm^3 ② 22 cm^3

2 ① $4 \times 4 \times 4 = 64$ 64 cm^3

② $4 \times 8 \times 5 = 160$ 160 cm^3

3 $8 \times 6 \times 4 = 192$ 192 cm^3

◆プリント4◆

$$\begin{aligned} 1 \quad ① \quad & 8 \times 5 \times 4 = 160 \quad 8 \times 15 \times 6 = 720 \\ & 160 + 720 = 880 \qquad \qquad \qquad 880 \text{ cm}^3 \end{aligned}$$

$$\begin{aligned} ② \quad & 8 \times 5 \times 10 = 400 \quad 8 \times (15 - 5) \times 6 = 480 \\ & 400 + 480 = 880 \qquad \qquad \qquad 880 \text{ cm}^3 \end{aligned}$$

$$\begin{aligned} ③ \quad & 8 \times 15 \times 10 = 1200 \quad 8 \times (15 - 5) \times 4 = 320 \\ & 1200 - 320 = 880 \qquad \qquad \qquad 880 \text{ cm}^3 \end{aligned}$$

$$\begin{aligned} 2 \quad & 20 \times 20 \times 18 = 7200 \quad 10 \times 12 \times 7 = 840 \\ & 7200 - 840 = 6360 \qquad \qquad \qquad 6360 \text{ cm}^3 \end{aligned}$$

◆プリント5◆

$$\begin{aligned} 1 \quad ① \quad & 6 \times 3 \times 4 = 72 \quad 6 \times 12 \times 5 = 360 \\ & 72 + 360 = 432 \qquad \qquad \qquad 432 \text{ cm}^3 \end{aligned}$$

$$\begin{aligned} ② \quad & 6 \times 3 \times 9 = 162 \quad 6 \times 9 \times 5 = 270 \\ & 162 + 270 = 432 \qquad \qquad \qquad 432 \text{ cm}^3 \end{aligned}$$

$$\begin{aligned} ③ \quad & 6 \times 12 \times 9 = 648 \quad 6 \times (12 - 3) \times 4 = 216 \\ & 648 - 216 = 432 \qquad \qquad \qquad 432 \text{ cm}^3 \end{aligned}$$

$$\begin{aligned} 2 \quad & (9 + 7) \times (6 + 6 + 6) \times 8 = 16 \times 18 \times 8 \\ & \qquad \qquad \qquad \qquad \qquad \qquad = 2304 \\ & (9 \times 6 \times 8) \times 2 = 864 \\ & 2304 - 864 = 1440 \qquad \qquad \qquad 1440 \text{ cm}^3 \end{aligned}$$

〈別解〉

$$\begin{aligned} 7 \times (6 + 6 + 6) \times 8 &= 7 \times 18 \times 8 \\ &= 1008 \end{aligned}$$

$$\begin{aligned} 9 \times 6 \times 8 &= 432 \\ 1008 + 432 &= 1440 \qquad \qquad \qquad 1440 \text{ cm}^3 \end{aligned}$$

◆プリント6◆

$$\begin{aligned} \textcircled{1} \quad & 24 \times 14 \times 9 = 3024 \quad 8 \times 8 \times 9 = 576 \\ & 3024 - 576 = 2448 \end{aligned}$$

$$2448 \text{ cm}^3$$

〈別解〉

$$\begin{aligned} & 8 \times 14 \times 9 \times 2 = 2016 \\ & 8 \times (14 - 8) \times 9 = 432 \\ & 2016 + 432 = 2448 \end{aligned}$$

$$2448 \text{ cm}^3$$

$$\begin{aligned} \textcircled{2} \quad & 13 \times 16 \times 7 = 1456 \\ & 8 \times 6 \times 7 = 336 \\ & 1456 - 336 = 1120 \end{aligned}$$

$$1120 \text{ cm}^3$$

〈別解〉

$$\begin{aligned} & 13 \times 5 \times 7 \times 2 = 910 \\ & (13 - 8) \times 6 \times 7 = 210 \\ & 910 + 210 = 1120 \end{aligned}$$

$$1120 \text{ cm}^3$$

$$\begin{aligned} \textcircled{3} \quad & 8 \times 15 \times 5 = 600 \\ & 4 \times 5 \times 3 = 60 \\ & 600 + 60 = 660 \end{aligned}$$

$$660 \text{ cm}^3$$

$$\begin{aligned} \textcircled{4} \quad & 8 \times 13 \times 5 = 520 \\ & 8 \times 4 \times 7 = 224 \\ & 520 + 224 = 744 \end{aligned}$$

$$744 \text{ cm}^3$$

〈別解1〉

$$\begin{aligned} & 8 \times 4 \times (7 + 5) = 384 \\ & 8 \times (13 - 4) \times 5 = 360 \\ & 384 + 360 = 744 \end{aligned}$$

$$744 \text{ cm}^3$$

〈別解2〉

$$\begin{aligned} & 8 \times 13 \times (7 + 5) = 1248 \\ & 8 \times (13 - 4) \times 7 = 504 \\ & 1248 - 504 = 744 \end{aligned}$$

$$744 \text{ cm}^3$$

◆プリント7◆

$$\begin{array}{l} \text{1} \quad 8-2=6 \quad 17-2=15 \quad 9-1=8 \\ \quad \quad 6 \times 15 \times 8 = 720 \qquad \qquad \qquad 720 \text{ cm}^3 \end{array}$$

$$\text{2} \quad \text{①} \quad 20 \times 20 \times 9 = 3600 \qquad \qquad \qquad 3600 \text{ cm}^3$$

$$\begin{array}{l} \text{②} \quad 12-9=3 \\ \quad \quad 20 \times 20 \times 3 = 1200 \qquad \qquad \qquad 1200 \text{ cm}^3 \end{array}$$

◆プリント8◆

$$\begin{array}{l} \text{1} \quad 7-2=5 \quad 15-2=13 \quad 8-1=7 \\ \quad \quad 5 \times 13 \times 7 = 455 \qquad \qquad \qquad 455 \text{ cm}^3 \end{array}$$

$$\text{2} \quad \text{①} \quad 30 \times 30 \times 14 = 12600 \qquad \qquad \qquad 12600 \text{ cm}^3$$

$$\begin{array}{l} \text{②} \quad 25 \times 56 = 1400 \\ \quad \quad 12600 \div 1400 = 9 \qquad \qquad \qquad 9 \text{ cm} \end{array}$$