

2006

$$(2) \left(\frac{2}{3} - \frac{1}{4}\right) \div \frac{1}{6} - \left(0.75 - \frac{1}{2}\right) \times 5$$

$$= \frac{8-3}{\cancel{x_2}^2} \times \frac{x_1'}{1} - \left(\frac{3}{4} - \frac{2}{4}\right) \times 5$$

$$= \frac{5}{2} - \frac{5}{4}$$

$$= \frac{105}{4} = \frac{5}{4} = 1\frac{1}{4}$$

$$\begin{array}{r} 3 \overline{) 235} \\ \underline{300} \end{array} \quad \begin{array}{r} 4 \overline{) 435} \\ \underline{300} \end{array} \quad \begin{array}{r} 4 \overline{) 240} \\ \underline{300} \end{array}$$

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

(3). $(\square \div \frac{1}{3} - \frac{1}{4}) \div 5 + 2\frac{3}{4} = 3$

$$\text{~~~~~} = 3 - 2\frac{3}{4} = \frac{1}{4}$$

$$(\quad) \div 5 = \frac{1}{4}$$

$$() = \frac{1}{4} \times 5 = \frac{5}{4}$$

$$\square \div \frac{1}{5} - \frac{1}{4} = \frac{5}{4}$$

$$= \frac{5}{4} + \frac{1}{4} = \frac{6}{4} = \frac{3}{2}$$

$$\square \div \frac{1}{3} = \frac{3}{2} \quad \square = \frac{3}{2} \times \frac{1}{3} = \underline{\underline{\frac{1}{2}}}$$

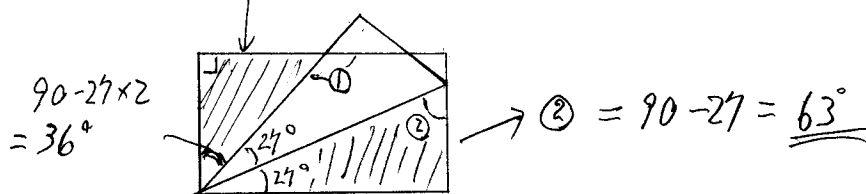
(4)
$$\begin{array}{r} 2 \overline{) 54, 72} \\ 9 \overline{) 27, 36} \\ \hline 3, 4 \end{array}$$

最大公約數 = $2 \times 9 = \underline{\underline{18}}$

$$\text{最小公倍数} = 2 \times 9 \times 3 \times 4 = \underline{216}$$

2) $12\text{cm} \times 50000 = 600000\text{cm} = 6000\text{m} = \underline{6\text{km}}$

(2) ①はこの三角形の外角 $36+90=\underline{126}^\circ$



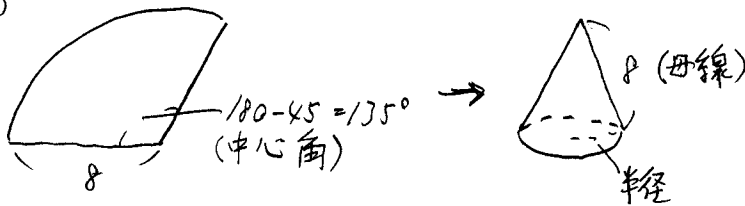
(3) (7)

$$= 8 \times 8 \times \frac{1}{2} - 8 \times 8 \times 3.14 \times \frac{45}{360}$$

$$= 32 - 25.12 = 6.88$$

$$A. 6.88 \text{ cm}^2$$

(7)



$$\frac{\text{半径}}{8} = \frac{135}{360}$$

$$\text{半径} = 8 \times \frac{135}{360} = 3$$

$$A 3 \text{ cm}$$

ポイント	半径	中心角
	母線	360

(4) 7~145の奇数の中で5の倍数は

$$15 = 3 \times 5 \quad 25 = 5 \times 5 \quad 35 = 7 \times 5 \quad 45 = 9 \times 5 \quad 55 = 11 \times 5$$

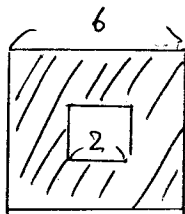
$$65 = 13 \times 5 \quad 75 = 3 \times 5 \times 5 \quad 85 = 17 \times 5 \quad 95 = 19 \times 5 \quad 105 = 21 \times 5$$

$$115 = 23 \times 5 \quad 125 = 5 \times 5 \times 5 \quad 135 = 27 \times 5 \quad 145 = 29 \times 5$$

全部で5は18個

$$A 18 \text{ 回}$$

[3] (1)



$$6 \times 6 - 2 \times 2 = 32 \text{ cm}^2$$

$$32 \times 2 \text{ 枚} = 64 \text{ cm}^2$$

$$\text{外側} (6 \times 6) \times 4 \text{ 枚} = 144 \text{ cm}^2$$

$$\text{内側} (2 \times 6) \times 4 \text{ 枚} = 48 \text{ cm}^2$$

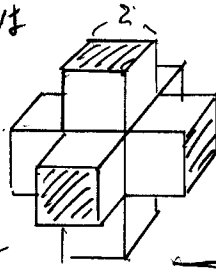
$$64 + 144 + 48 = 256$$

$$A 256 \text{ cm}^2$$

$$(2) 32 \text{ cm}^2 \times 6 \text{ cm} = 192$$

$$A 192 \text{ cm}^3$$

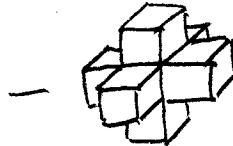
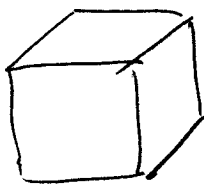
(2) 元の部分は

斜線を除いて $(2 \times 2) \times 4$ 枚 $\times 6$ か所 $= 96 \text{ cm}^2$

$$\square \times 32 \text{ cm}^2 \times 6 \text{ 枚} = 192 \text{ cm}^2$$

$$96 + 192 = 288 \quad \text{表面積 } 288 \text{ cm}^2$$

$$\text{体積 } (2 \times 2 \times 2) \times 7 = 56 \text{ cm}^3$$



$$= 6 \times 6 \times 6 - 56 = 160$$

$$\text{体積 } 160 \text{ cm}^3$$

[4]

$$(1) \underbrace{10, 20, \dots, 90, 100}_{9} \quad \underbrace{100}_{2}$$

$$9 + 2 = 11$$

A 11. 個

$$(2) \underbrace{\begin{array}{ccccccc} 101 \sim 110 & 111 \sim 200 & 201 \sim 210 & 211 \sim 300 & \dots & 910 \sim 900 & 901 \sim 910 & 911 \sim 1000 \\ \underbrace{\quad}_{10} & \underbrace{\quad}_{10} & \underbrace{\quad}_{10} & \underbrace{\quad}_{10} & & \underbrace{\quad}_{10} & \underbrace{\quad}_{10} & \underbrace{\quad}_{11} \end{array}}_{20 \times 8 + 21 = 181}$$

$$20 \times 8 + 21 = 181$$

A 181. 回

$$(3) \begin{array}{cccc} 1001 \sim 1009 & 1010 \sim 1100 & 1101 \sim 2000 & 2001 \sim 2006 \\ \underbrace{\quad}_{2 \times 9 = 18} & \underbrace{\quad}_{11 + 90 = 101} & \underbrace{\quad}_{181} & \underbrace{\quad}_{2 \times 6 = 12} \end{array}$$

$$18 + 101 + 181 + 12 = 312$$

A 312. 回