

BODY

(A) (2)

$$1.) (12020)_3 = 1 \cdot 3^4 + 2 \cdot 3^3 + 0 \cdot 3^2 + 2 \cdot 3^1 + 0 \cdot 3^0 = 81 + 54 + 0 + 6 + 0 = 141_{10} \checkmark$$

4H 204

$$2.) (1614)_{10} = \begin{array}{l} 1614 : 7 = 230 \text{ R } 4 \\ 230 : 7 = 32 \text{ R } 6 \\ 32 : 7 = 4 \text{ R } 4 \\ 4 : 7 = 0 \text{ R } 4 \end{array}$$

(4464)₇ ✓

4, 5, 6 25

$$3.) 123_4 + 212_4 = 341_4$$

$$\begin{array}{r} 123 \\ + 212 \\ \hline 341 \end{array}$$

0, 5, 6 23

$$4.) 11101_2 \cdot 101_2$$

4H 204

$$\begin{array}{r} 11101 \\ \times 101 \\ \hline 11101 \\ 00000 \\ 11101 \\ \hline 1101001 \end{array}$$

5.

A) $2794 = \text{MMDCCXCIV}$ 22 (22)

B) $896 = \text{DCCCXCVI}$ 22 (22)

6.

a) $\text{MMM DLXIX} = 356$ 11 (22)

b) $\text{MCDI} = 1401$ 22 (22)

~~Prémia~~

Prémia

$(302)_c \cdot (31)_c = 23402$

$$\begin{array}{r}
 302 \\
 \cdot 31 \\
 \hline
 1302 \\
 1308 \\
 \hline
 23402
 \end{array}$$

315h (23)

$206 + 15 = 215$

(2) A