

$$1) y = 23, 2) x = 92$$

$$3) \begin{array}{r} 232 \\ 22 \overline{) 232} \\ \underline{11} \\ 10 \\ \underline{1} \\ 9 \\ \underline{8} \\ 1 \\ \underline{0} \\ 2 \\ \underline{2} \\ 0 \end{array}$$

$$y_2 = 010111$$

$$4) \begin{array}{r} 922 \\ 92 \overline{) 922} \\ \underline{0} \\ 0 \\ \underline{0} \\ 22 \\ \underline{22} \\ 0 \\ 22 \\ \underline{22} \\ 0 \\ 22 \\ \underline{22} \\ 0 \\ 22 \\ \underline{22} \\ 0 \end{array}$$

$$x_2 = 01011100$$

$$5) \begin{array}{r} 1011100 \\ 10111 \overline{) 1011100} \\ \underline{0} \\ 01110011 \end{array}$$

$$6) \begin{array}{r} 1011100 \\ 10111 \overline{) 1011100} \\ \underline{0} \\ 01000101 \end{array}$$

$$7) \begin{array}{l} 1011100 : 10111 \\ 10111 = 10111 \cdot 10111 : 10111 = 1 \end{array}$$

$$\frac{x_2}{y_2} = 0100$$

$$8) \begin{array}{r} \times 1011100 \\ 10111 \\ \hline 1011100 \\ + 011100 \\ \hline 1011100 \\ + 011100 \\ \hline 1011100 \\ + 000000 \\ \hline 1011100 \\ + 000000 \\ \hline 100001000100 \end{array}$$

$$x_2 \cdot y_2 = 0100001000100$$

$$9) \cdot k = 46$$

$$10) \begin{array}{r} 7616 \\ 64 \overline{) 7616} \\ \underline{64} \\ 1216 \end{array}$$

$$k_2 = 40$$