

821 ÷ 27 の筆算のしかた

$$27 \overline{)821}$$

821 ÷ 27 の筆算のしかた

$$\begin{array}{r} \square \\ 27 \overline{) 821} \\ \hline \end{array}$$

27 × **■** が **82** をこえない
いちばん大きい数字を考
える。

821 ÷ 27 の筆算のしかた

$$\begin{array}{r} 27 \overline{) 821} \\ \underline{54} \\ 281 \\ \underline{252} \\ 291 \\ \underline{252} \\ 391 \\ \underline{351} \\ 401 \end{array}$$

27 をおよそ 30 と考えて
82 をおよそ 80 と考えると
 30×2 が 80 をこえない
いちばん大きい数字になる。

30 と 80 の 0 を消して
 $3 \times \square = 8$ を考えればよい

821 ÷ 27 の筆算のしかた

$$\begin{array}{r} 27 \overline{) 821} \\ \underline{54} \\ 281 \end{array}$$

The diagram shows the long division of 821 by 27. The divisor 27 is written on the left. The dividend 821 is written under a horizontal line. The quotient digit 2 is written above the line, positioned over the second digit of the dividend (the 2). A horizontal line is drawn below the 2. Below this line, the product 54 is written, with 5 under the 8 and 4 under the 2. Two vertical dashed lines are drawn: one to the right of the 4 and one to the right of the 1. The 2 in the quotient is highlighted with a light pink background.

$$27 \times 2 = 54 \text{ なので}$$

821 ÷ 27 の筆算のしかた

$$\begin{array}{r} 27 \overline{) 821} \\ \underline{54} \\ 281 \\ \underline{28} \\ 1 \end{array}$$

The diagram shows a long division problem: 27 divided into 821. The quotient digit 2 is written above the 2 in 821. A horizontal line is drawn under the 27 and the 82. Below 82, the product 54 is written. A horizontal line is drawn under 54. Below 54, the remainder 28 is written. Vertical dashed lines are drawn through the 2 in 821, the 54, and the 28. A pink box highlights the 2 in the quotient.

$$82 - 54 = 28 \text{ だけど}$$

821 ÷ 27 の筆算のしかた

$$\begin{array}{r} 27 \overline{) 821} \\ \underline{54} \\ 281 \end{array}$$

27) 821

54

28

The diagram shows a long division problem. The divisor is 27 and the dividend is 821. A horizontal line is drawn above the 821. A vertical line is drawn between the 2 and the 1. A pink box highlights the digit 2 above the 2 in 821. Below the 821, the number 54 is written, and below that, the number 28 is written. Dashed vertical lines are drawn at the positions of the 2 and the 1 in the dividend.

$$82 - 54 = 28 \text{ だけ}$$

× 28 は、わる数 27 より
大きいので NG

821 ÷ 27 の筆算のしかた

$$\begin{array}{r} 27 \overline{) 821} \\ \underline{81} \\ 10 \end{array}$$

The diagram shows a long division problem: 27 divided into 821. The quotient digit 3 is written above the 2. A horizontal line is drawn under the 81. Below the 81, the number 81 is written in green. Below the 10, there is a space for the next step. Vertical dashed lines are drawn through the 2 and the 1.

そこで1ふやして

$$27 \times 3 = 81 \text{ にして}$$

821 ÷ 27 の筆算のしかた

$$\begin{array}{r} 27 \overline{) 821} \\ \underline{81} \\ 1 \end{array}$$

The diagram shows the long division of 821 by 27. The divisor 27 is written in orange on the left. The dividend 821 is written in blue and green. A horizontal line is drawn above the 821. A vertical line is drawn above the 2, and a pink box containing the number 3 is placed above this line. Below the horizontal line, the number 81 is written in green, and a horizontal line is drawn below it. Below this line, the number 1 is written in black. Two vertical dashed purple lines are drawn: one to the left of the 2 and one to the right of the 1.

そこで1ふやして

$$27 \times 3 = 81 \text{ にして}$$

$$82 - 81 = 1 \text{ なので}$$

821 ÷ 27 の筆算のしかた

$$\begin{array}{r} 27 \overline{) 821} \\ \underline{821} \\ 11 \end{array}$$

The diagram shows a long division problem: 27 divided into 821. The quotient is 30. The remainder is 11. Vertical dashed lines separate the digits of the dividend (8, 2, 1) and the remainder (1, 1). A green arrow points down from the 1 in the remainder to the 1 in the next step.

次の計算をするために 1 をお
ろす

821 ÷ 27 の筆算のしかた

$$\begin{array}{r} 27 \overline{) 821} \\ \underline{821} \\ 11 \end{array}$$

The diagram shows a long division problem: 27 divided into 821. The quotient is 30 with a remainder of 11. The digit 3 is written above the 2, and a green square is placed above the 1. The remainder 11 is written below the 1. Vertical dashed lines separate the columns of the dividend (8, 2, 1) and the remainder (1, 1).

27 × ■ が 11 をこえない
いちばん大きい数字を考える
が、27 は 11 より大きいので

821 ÷ 27 の筆算のしかた

$$\begin{array}{r} 27 \overline{) 821} \\ \underline{821} \\ 11 \end{array}$$

The diagram shows the long division of 821 by 27. The divisor 27 is written on the left. The dividend 821 is written under a horizontal line. The quotient 30 is written above the line. The first step shows 27 multiplied by 3, resulting in 81, which is subtracted from 82 to leave a remainder of 1. The second step shows 27 multiplied by 0, resulting in 0, which is subtracted from 11 to leave a remainder of 11. Vertical dashed lines separate the columns of the calculation. The digit 0 in the quotient is highlighted in green.

27 × 0 が 11 をこえない
いちばん大きい数字を考える
が、27 は 11 より大きいので

821 ÷ 27 の筆算のしかた

$$\begin{array}{r} 27 \overline{) 821} \\ \underline{81} \\ 11 \\ \underline{11} \\ 0 \\ \underline{0} \\ 0 \end{array}$$

Handwritten long division of 821 by 27. The quotient is 30. The dividend 821 is written above the division line. The divisor 27 is written to the left. The first step shows 27 multiplied by 3, resulting in 81, which is subtracted from 82 to leave a remainder of 1. The next step shows 27 multiplied by 0, resulting in 0, which is subtracted from 11 to leave a remainder of 1. The final remainder is 11. The digits 3 and 0 in the quotient are highlighted in yellow. The numbers 11 and 0 in the remainder steps are highlighted in blue. The numbers 27 and 0 in the multiplication steps are highlighted in orange. Dashed vertical lines separate the columns of the calculation.

27 × 0 が 11 をこえない
いちばん大きい数字を考
えるが、27 は 11 より大
きいので

27 × 0 = 0 のときは書
かなくてよい

821 ÷ 27 の筆算のしかた

$$\begin{array}{r} 27 \overline{) 821} \\ \underline{81} \\ 11 \end{array}$$

The diagram shows the long division of 821 by 27. The quotient 30 is written above the dividend, with the 3 aligned under the 8 and the 0 under the 2. The remainder 11 is written below the dividend, with the 1 aligned under the 2 and the 1 under the 1. Vertical dashed lines separate the digits of the dividend and the remainder.

$$821 \div 27 = 30 \text{ 나머지 } 11$$