

RELATIONS ENTRE LES QUATRE TERMES DE LA DIVISION

1. Calcul du reste

$$r = D - d \cdot q$$

Exemple :

$$\begin{array}{r} 678 \quad | \quad 45 \\ \underline{\quad \quad 15} \end{array}$$

$$r = D - d \cdot q = 678 - 45 \cdot 15 = 678 - 675 = 3$$

2. Calcul du dividende

$$D = d \cdot q + r$$

Exemple :

$$\begin{array}{r} \quad | \quad 29 \\ \underline{\quad \quad} \\ 8 \quad 31 \end{array}$$

$$D = d \cdot q + r = 29 \cdot 31 + 8 = 899 + 8 = 907$$

3. Calcul du diviseur

$$d = (D - r) \div q$$

Exemple :

$$\begin{array}{r} 716 \quad | \\ \underline{\quad \quad} \\ 3 \quad 23 \end{array}$$

$$d = (D - r) \div q = (716 - 3) \div 23 = 713 \div 23 = 31$$

4. Calcul du quotient

$$q = (D - r) \div d$$

Exemple :

$$\begin{array}{r} 509 \quad | \quad 14 \\ \underline{\quad \quad 5} \end{array}$$

$$q = (D - r) \div d = (509 - 5) \div 14 = 504 \div 14 = 36$$

①

$534 \overline{) 19}$	$1\,209 \overline{) 14}$	$970 \overline{) \quad}$	$3 \overline{) 32}$
28	5	$10 \quad 32$	27

②

$434 \overline{) 19}$	$965 \overline{) 28}$	$729 \overline{) \quad}$	$6 \overline{) 27}$
22	13	$15 \quad 17$	39

③

$708 \overline{) 37}$	$475 \overline{) 20}$	$494 \overline{) \quad}$	$1 \overline{) 20}$
19	15	$11 \quad 21$	40

④

$828 \overline{) 33}$	$1142 \overline{) 32}$	$924 \overline{) \quad}$	$4 \overline{) 27}$
25	22	$24 \quad 36$	21

⑤

$1047 \overline{) 22}$	$534 \overline{) 30}$	$824 \overline{) \quad}$	$27 \overline{) 36}$
47	24	$12 \quad 58$	25

⑥

$407 \overline{) 18}$	$921 \overline{) 19}$	$638 \overline{) \quad}$	$23 \overline{) 32}$
22	9	$8 \quad 42$	34

⑦

$803 \overline{) 37}$	$717 \overline{) 39}$	$1212 \overline{) \quad}$	$9 \overline{) 21}$
21	15	$3 \quad 93$	22

$$\textcircled{1} \quad \begin{array}{r} 416 \\ 0 \end{array} \overline{) 32} \quad \begin{array}{r} D \\ 5 \end{array} \overline{) 37} \quad \begin{array}{r} D \\ 35 \end{array} \overline{) 49} \quad \begin{array}{r} 103 \\ r \end{array} \overline{) 19} \quad \begin{array}{r} 744 \\ 18 \end{array} \overline{) d}$$

$$\textcircled{2} \quad \begin{array}{r} 732 \\ r \end{array} \overline{) 25} \quad \begin{array}{r} 841 \\ 48 \end{array} \overline{) d} \quad \begin{array}{r} D \\ 44 \end{array} \overline{) 55} \quad \begin{array}{r} D \\ 4 \end{array} \overline{) 18} \quad \begin{array}{r} 109 \\ 25 \end{array} \overline{) 28}$$

$$\textcircled{3} \quad \begin{array}{r} D \\ 63 \end{array} \overline{) 73} \quad \begin{array}{r} 843 \\ r \end{array} \overline{) 57} \quad \begin{array}{r} 760 \\ 56 \end{array} \overline{) d} \quad \begin{array}{r} 342 \\ r \end{array} \overline{) 16} \quad \begin{array}{r} 493 \\ 55 \end{array} \overline{) d}$$

$$\textcircled{4} \quad \begin{array}{r} 903 \\ 10 \end{array} \overline{) 47} \quad \begin{array}{r} 639 \\ 18 \end{array} \overline{) 27} \quad \begin{array}{r} 309 \\ 4 \end{array} \overline{) 61} \quad \begin{array}{r} 475 \\ r \end{array} \overline{) 37} \quad \begin{array}{r} 991 \\ 29 \end{array} \overline{) d}$$

$$\textcircled{5} \quad \begin{array}{r} 564 \\ 0 \end{array} \overline{) d} \quad \begin{array}{r} D \\ 43 \end{array} \overline{) 91} \quad \begin{array}{r} 743 \\ 15 \end{array} \overline{) d} \quad \begin{array}{r} 846 \\ 48 \end{array} \overline{) d} \quad \begin{array}{r} 305 \\ r \end{array} \overline{) 38}$$

$$\textcircled{6} \quad \begin{array}{r} 836 \\ r \end{array} \overline{) 19} \quad \begin{array}{r} 457 \\ 2 \end{array} \overline{) 13} \quad \begin{array}{r} 551 \\ 0 \end{array} \overline{) d} \quad \begin{array}{r} 463 \\ r \end{array} \overline{) 17} \quad \begin{array}{r} D \\ 20 \end{array} \overline{) 64}$$

$$\textcircled{7} \quad \begin{array}{r} 1\ 023 \\ 36 \end{array} \overline{) d} \quad \begin{array}{r} 2\ 351 \\ 11 \end{array} \overline{) 26} \quad \begin{array}{r} D \\ 115 \end{array} \overline{) 249} \quad \begin{array}{r} D \\ 53 \end{array} \overline{) 84} \quad \begin{array}{r} 794 \\ 38 \end{array} \overline{) d}$$