CORRECTION

**Mathématique : L9. Diviser par un nombre à un chiffre**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **😐 Exercice 11 :** **Reproduis** et **complète** le tableau.   |  |  |  |  | | --- | --- | --- | --- | | dividende | diviseur | quotient | reste | | 835 | 6 |  |  | |  | 5 | 85 | 1 | | 742 | 4 |  |  | |  | 8 | 54 | 3 | | Correction   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | dividende | diviseur | quotient | reste | | **a** | 835 | 6 | **139** | **1** | | **b** | **426** | 5 | 85 | 1 | | **c** | 742 | 4 | **185** | **2** | | **d** | **435** | 8 | 54 | 3 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| a : Il faut faire la division 835 : 6  Le nombre de chiffre au quotient est :  6x100 < 835 < 6x1000 donc 3 chiffres au quotient.  835: 6 = 139  Reste 1. | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | |  | **8** | **3** | **5** |  | **6** |  |  | | - | 6 |  |  |  | 1 | 3 | 9 | |  | 2 | 13 |  |  |  |  |  | | - | 1+1 | 8 |  |  |  |  |  | |  | 0 | 5 | 5 |  |  |  |  | |  | - | 5 | 4 |  |  |  |  | |  |  | 0 | 1 |  |  |  |  | | b : comme  dividende = (quotient x diviseur) + reste  on calcule d’abord la multiplication 54 x 8 | |
| |  |  |  | | --- | --- | --- | | 4 | 2 |  | |  | 8 | 5 | | x |  | 5 | | 4 | 2 | 5 | | On ajoute ensuite le reste : 425 + 1 = 426 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c : Il faut faire la division 742 : 4  Le nombre de chiffre au quotient est :  4x100 < 742 < 4x1000 donc 3 chiffres au quotient.  742: 4 = 185  Reste 2. | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | |  | **7** | **4** | **2** |  | **4** |  |  | | - | 4 |  |  |  | 1 | 8 | 5 | |  | 3 | 4 |  |  |  |  |  | | - | 3 | 2 |  |  |  |  |  | |  | 0 | 2 | 2 |  |  |  |  | |  | - | 2 | 0 |  |  |  |  | |  |  | 0 | 2 |  |  |  |  | | d : comme  dividende = (quotient x diviseur) + reste  on calcule d’abord la multiplication 85 x 5 | |
| |  |  |  | | --- | --- | --- | | 4 | 3 |  | |  | 5 | 4 | | x |  | 8 | | 4 | 3 | 2 | | On ajoute ensuite le reste : 432 + 3 = 435 |

|  |  |
| --- | --- |
| **😐 Exercice 12 :** Problème  L’école du coteau organise une course de relais pour ses 72 élèves de CM1.  1er Combien d’équipes de 3 élèves peut-on faire ? De 4 élèves ? De 6 élèves ?  2ème Peut-on faire des équipes de 5 élèves ? Pourquoi ? | Correction  a. 72: 3 = 24. On peut faire 24 équipes de 3 élèves.  72: 4 = 18. On peut faire 18 équipes de 4 élèves.  72: 6 = 12. On peut faire 12 équipes de 6 élèves.  b. 5 × 14 < 72 < 5 × 15. On ne peut pas faire des équipes de 5 élèves car 72 n’est pas un multiple de 5. |

|  |  |
| --- | --- |
| **😐 Exercice 13 :** Problème  En 1973, un navigateur a fait le tour du monde à la voile en solitaire en 169 jours. Ce record a été battu en 1989 : 125 jours.  **Calcule** en combien de semaines ces deux record ont été effectués | Correction  169: 7 =? q = 24 r = 1  Le record de 1973 a été effectué en 24 semaines et un jour.  125: 7 =? q = 17 r = 6  Le record de 1989 a été effectué en 17 semaines et 6 jours. |

|  |  |
| --- | --- |
| Défi Math  65 539  **Divise** ce nombre par 2, jusqu’à obtenir un quotient égal à 1.  Combien de division as-tu effectués ? | Correction  5536: 2 = 32768 ➞ 32768: 2 = 16384  16384: 2 = 8192 ➞ 8192: 2 = 4096  4096: 2 = 2048 ➞ 2048: 2 = 1024  1024: 2 = 512 ➞512: 2 = 256  256: 2 = 128 ➞ 128: 2 = 64 ➞ 64: 2 = 32  32: 2 = 16 ➞ 16: 2 = 8 ➞ 8: 2 = 4  4: 2 = 2 ➞ 2: 2 = 1  On doit diviser ce nombre 16 fois |

