CORRECTION

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **😐 Exercice 11 :** **Reproduis** et **complète** le tableau.

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| dividende | diviseur | quotient | reste |
| 835 | 6 |  |  |
|  | 5 | 85 | 1 |
| 742 | 4 |  |  |
|  | 8 | 54 | 3 |

 | Correction

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| --- | --- | --- | --- | --- |
|  | dividende | diviseur | quotient | reste |
| **a** | 835 | 6 | **139** | **1** |
| **b** | **426** | 5 | 85 | 1 |
| **c** | 742 | 4 | **185** | **2** |
| **d** | **435** | 8 | 54 | 3 |

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| a : Il faut faire la division 835 : 6Le nombre de chiffre au quotient est :6x100 < 835 < 6x1000 donc 3 chiffres au quotient.835: 6 = 139Reste 1. |

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|  | **8** | **3** | **5** |  | **6** |  |  |
| - | 6 |  |  |  | 1 | 3 | 9 |
|  | 2 | 13 |  |  |  |  |  |
| - | 1+1 | 8 |  |  |  |  |  |
|  | 0 | 5 | 5 |  |  |  |  |
|  | - | 5 | 4 |  |  |  |  |
|  |  | 0 | 1 |  |  |  |  |

 | b : commedividende = (quotient x diviseur) + resteon calcule d’abord la multiplication 54 x 8 |
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| 4 | 2 |  |
|  | 8 | 5 |
| x |  | 5 |
| 4 | 2 | 5 |

 | On ajoute ensuite le reste : 425 + 1 = 426 |

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| c : Il faut faire la division 742 : 4Le nombre de chiffre au quotient est :4x100 < 742 < 4x1000 donc 3 chiffres au quotient.742: 4 = 185Reste 2. |

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|  | **7** | **4** | **2** |  | **4** |  |  |
| - | 4 |  |  |  | 1 | 8 | 5 |
|  | 3 | 4 |  |  |  |  |  |
| - | 3 | 2 |  |  |  |  |  |
|  | 0 | 2 | 2 |  |  |  |  |
|  | - | 2 | 0 |  |  |  |  |
|  |  | 0 | 2 |  |  |  |  |

 | d : commedividende = (quotient x diviseur) + resteon calcule d’abord la multiplication 85 x 5 |
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| 4 | 3 |  |
|  | 5 | 4 |
| x |  | 8 |
| 4 | 3 | 2 |

 | On ajoute ensuite le reste : 432 + 3 = 435 |

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| **😐 Exercice 12 :** ProblèmeL’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 ? | Correctiona. 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. |

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| **😐 Exercice 13 :** ProblèmeEn 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 | Correction169: 7 =? q = 24 r = 1Le record de 1973 a été effectué en 24 semaines et un jour.125: 7 =? q = 17 r = 6Le record de 1989 a été effectué en 17 semaines et 6 jours. |

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| Défi Math65 539**Divise** ce nombre par 2, jusqu’à obtenir un quotient égal à 1.Combien de division as-tu effectués ? | Correction5536: 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 = 1On doit diviser ce nombre 16 fois |

