beebt1a.gif

**CE2**

**Programmation - Calcul mental et réfléchi**

**x** = bilan intermédiaire et / ou évaluation finale.

Période 1

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| **Type** | **S1** | | | | **S2** | | | | **S3** | | | | **S4** | | | | **S5** | | | | **S6** | | | | **S7** | | | | **Exemples** | |
| Additions simples, sans retenue | x | x |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 11+4  12+6  13+2 | 12+8  16+2 |
| Additions simples, avec retenue |  |  | x | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 13+8  24+7  17+5 | 19+3  11+9 |
| Suite de nombres < à 99 :  compter de x en x |  |  |  |  |  |  | x | x |  |  | **x** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 13-16-19-suite  54-51-48-suite  21-26-31-suite | |
| Nombre précédent et nombre suivant de … (nb à 3 chiffres) |  |  |  |  |  |  |  |  | x | x |  |  |  |  | **x** |  |  |  |  |  |  |  |  |  |  |  |  | de 327  de 200  de 678 | de 389  de 176 |
| Tables de multiplication de 0 à 5 |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x |  |  |  | **x** |  |  |  |  |  |  |  |  | 1x3  4x3  2x7 | 3x6  2x8 |
| Soustractions simples, sans retenue |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x |  |  |  |  |  |  |  |  | 1) 27-4 - 19-5  2) 46-4 - 37-6  3) 98-7 - 79-5 | |
| Ajouter une dizaine ronde |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x |  |  | **x** |  |  |  | 37+10  54+20 |  |
| Soustraire une dizaine ronde |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x |  |  |  | 64-20  56-10 |  |
| Manipulation des tables de 6, 7 et 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x | jeux d’entrainement | |

Dès la rentrée, procéder à la révision des tables de multiplication de 0 à 5, afin d’être prêt pour la 4ème semaine de septembre. Prévoir quelques jeux de manipulation pendant la semaine 3.

Faire commencer l’apprentissage des tables de multiplication de 6 à 10 à partir de la première semaine d’octobre, au rythme d’environ 1 par 2 semaines.

Révision des tables sues pendant les vacances de Toussaint + apprentissage de la table de 9.

Période 2

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| **Type** | **S1** | | | | **S2** | | | | **S3** | | | | **S4** | | | | **S5** | | | | **S6** | | | | **S7** | | | | **Exemples** | |
| Tables de multiplication de 6, 7, 8 et 9 | x | x | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ajouter une centaine ronde |  |  |  |  | x | x |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 236+100 | 308+200 |
| Soustraire une centaine ronde |  |  |  |  |  |  | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 670-200 | 489-300 |
| Ajouter 9 et 19 à un nombre à 2 chiffres |  |  |  |  |  |  |  |  |  | x | x | x |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  | 45+9 | 36+19 |
| Ajouter 9 et 19 à un nombre à 3 chiffres |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x |  |  |  |  |  |  |  |  |  |  |  |  | 128+9 | 216+19 |
| Tables de multiplication |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x | x |  |  |  |  |  |  |  |  |  |  |
| Ajouter 11 et 21 à un nombre à 2 chiffres |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x |  |  |  | x |  | 37+11 | 42+21 |
| Ajouter 11 et 21 à un nombre à 3 chiffres |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x |  | 145+11 | 250+21 |

Période 3

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Type** | **S1** | | | **S2** | | | | **S3** | | | | **S4** | | | | **S5** | | | | **S6** | | | | **S7** | | | | **S8** | | | | **Exemples** | |
| Tables de multiplication | x | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Soustraire 9 à un nombre à 2 chiffres |  |  |  | x | x |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 84-9 | 48-9 |
| Soustraire 9 à un nombre à 3 chiffres |  |  |  |  |  | x | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 235-9 | 563-9 |
| Suite de nombres à 3 chiffres : compter de x en x |  |  |  |  |  |  |  |  |  | x | x | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1) 230-232-234-suite  2) 542-540-538-suite  1) 263-263-268-suite | |
| Soustraire 11 à un nombre à 2 chiffres |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  | 73-11 | 49-11 |
| Soustraire 11 à un nombre à 3 chiffres |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x |  |  |  |  |  |  |  |  |  |  |  |  | 463-11 | 630-11 |
| Multiplier par 10, 100 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x |  | x |  |  |  |  |  | x |  |  | 22x 10 | 34x 100 |
| Multiplier par 100, 1000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  | 41 x100 | 26x1000 |
| Multiplier par 20, 30, 40 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x |  | x |  |  |  | 6x20 | 7x30 |
| Multiplier par 200, 300, 400 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  | 8x200 | 9x400 |
| Multiplier par une dizaine ou une centaine ronde |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |

Période 4

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| **Type** | **S1** | | | | **S2** | | | | **S3** | | | | **S4** | | | | **S5** | | | | **S6** | | | | **Exemples** | |
| Tables de multiplication | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Révision : ajouter 9, 19 |  |  | x | x |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  | 128+9 | 216+19 |
| Révision : ajouter 11, 21 |  |  |  |  | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 145+11 | 250+21 |
| Révision : soustraire 9 |  |  |  |  |  |  | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 235-9 | 563-9 |
| Révision : soustraire 11 |  |  |  |  |  |  |  |  | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  | 463-11 | 630-11 |
| Bilan |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Double d’un nombre à 1 chiffre et d’un nombre à 2 chiffres simple |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x |  |  |  |  | x |  |  |  |  | 5,12,16,20… | |
| Triple d’un nombre à 1 chiffre et d’un nombre à 2 chiffres simple |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x |  |  |  |  | 5,12,16,20… | |
| Ajouter 99 à un nombre à 2 chiffres |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x |  |  | 56+99 |  |
| Ajouter 99 à un nombre à 3 chiffres |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | 230+99 |  |

Période 5

9 semaines, mais seulement 7 programmées. Les deux dernières semaines comprennent à la fois les bilans de fin d’année et les jours de battement.

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| **Type** | **S1** | | | | **S2** | | | | **S3** | | | | **S4** | | | | **S5** | | | | **S6** | | | | **S7** | | | | **Exemples** | |
| Ajouter 99 - rappel | x |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ajouter 999 |  |  | x | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Doubles et triples de nombres plus complexes |  |  |  |  |  |  |  |  | x | x |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5d4,t150,d75,t90,t31,d125 | |
| Moitiés et tiers de nombres simples. |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m50,m24,m70,t27,t90 | |
| Moitiés et tiers de nombres plus complexes |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x |  |  |  |  |  |  |  |  |  |  |  |  | m54,m130,t270,t330,m700 | |
| Dictée de nombres à 5 et 6 chiffres |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x | x |  |  |  |  |  |  |  |  |  |  |
| Suite de nombres à 4-5 chiffres : compter de x en x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x | x |  |  |  |  |  |  |
| Révisions générales |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x | x |  |  |