

**CYCLE 3 - Multiplier
des nombres décimaux**

Le cahier d’exercices pour la classe

Les Fantastiques Exercices de Mathématiques

[www.cartablefantastique.fr](http://www.cartablefantastique.fr)

 1 Entoure la bonne étiquette.

Qui est 10 fois plus grand que 5,3 ? 0,53 53 530 .

Qui est 100 fois plus grand que 8,1 ? 0,81 81 810 .

 2 Entoure la bonne étiquette.

Qui est 100 fois plus grand que 9,46 ? 94,6 946 9 460 .

Qui est 10 fois plus grand que 15,25 ? 152,5 1 525 15 250 .

 3 Calcule en ligne.

4,5 x 10 = …………

36,8 x 10 = …………

56,27 x 10 = …………

191,4 x 10 = …………

318,93 x 10 = …………

2 436,8 x 10 = …………

 4 Calcule en ligne.

2,9 x 100 = …………

16,7 x 100 = …………

40,1 x 100 = …………

283,9 x 100 = …………

714,05 x 100 = …………

964,38 x 100 = …………

 5 Entoure en rouge le nombre multiplié par 10 et en vert le nombre multiplié par 100.

1. 7,53 🡪 75,3 7 530 0,753 753 .
2. 42,68 🡪 4,268 4 268 426,8 0,4268 .
3. 641,9 🡪 6 419 64,19 64 190 6,419 .

 6 Calcule en ligne.

19,3 x 100 = …………

82,14 x 10 = …………

4,52 x 1 000 = ………

347,02 x 100 = …………

9,258 x 10 = …………

74,81 x 1 000 = …………

 7 Tom a oublié de mettre une virgule au résultat. Ajoute la virgule manquante.

6,317 x 10 = 6317

5,752 x 100 = 5752

0,349 x 100 = 349

0,033 x 10 = 033

87,66 x 10 = 8766

71,362 x 100 = 71362

 8 Recopie et complète les multiplications avec 10, 100 ou 1 000.

18,94 x ………… = 1 894

347,1 x ………… = 3 471

7,25 x ………… = 72,5

0,9986 x ……… = 9 986

0,418 x ……… = 41,8

60,75 x ……… = 60 750

 9 Recopie et complète les multiplications.

1,56 x 10 = …………

7,489 x 1 000 = …………

23,61 x ………… = 236,1

0,1578 x ………… = 157,8

………… x 100 = 3 978

………… x 10 = 108,5

5,003 x 100 = …………

10,47 x 1 000 = …………

912,35 x ………… = 9 123,5

0,028 x ………… = 28

…………x 10 = 1,25

………… x 1 000 = 2 190

 10 Résous le problème. Pose les opérations en ligne.

Luc a 1 000 €. Il achète 1 000 pommes à 0,85 € l’unité et 100 poires à 1,25 € l’unité.
Combien Luc dépense-t-il ? Et combien lui reste-t-il d’euros ?

 11 Arrondis les nombres décimaux puis calcule.

Exemple : 19,7 x 5,2 🡪 20 x 5 = 100

6,8 x 4,1 🡪 …………………….

4,9 x 9,2 🡪 …………………….

10,3 x 9,7 🡪 …………………….

29,9 x 8,3 🡪 …………………….

40,04 x 5,2 🡪 …………………….

8,7 x 10,99 🡪 …………………….

 12 Calcule les multiplications posées. Attention, n’oublie pas de placer la virgule au résultat.

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 13 Sur ton cahier, pose et calcule les multiplications.

6,2 x 7 7,5 x 9 90,3 x 8 54,9 x 4

 14 Résous le problème.

Un camionneur roule 82,4 kilomètres tous les jours.
Combien de kilomètres parcourt-il en 5 jours ? Et en 10 jours ?

 15 Calcule les multiplications posées.

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 16 Résous le problème. Pose l’opération en colonnes.

Paul prend un bain une fois par semaine. Sa baignoire peut contenir 154,75 litre d’eau.
Quelle quantité d’eau a-t-il utilisé en 1 mois ? en 2 mois ? en 12 mois ?

 17 Calcule les multiplications posées.

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 18 Il manque la virgule au résultat. Ajoute-la pour avoir le bon résultat.

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 19 Sur ton cahier, pose et calcule les multiplications.

57,49 x 6 1 602,8 x 3 9,217 x 8 6,9582 x 7

 20 Il manque la virgule au résultat. Ajoute-la pour avoir le bon résultat.

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 21 Calcule les multiplications posées.

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 22 Sur ton cahier, pose et calcule les multiplications.

47,8 x 19 162,83 x 26 34,507 x 53 9,42 x 65

 23 Pose la multiplication 241 x 5. Puis trouve les résultats des multiplications suivantes sans poser l’opération.

24,1 x 5 = ……………….

241 x 50 = ……………….

2,41 x 5 = ……………….2,41 x 50 = ……………….

0,241 x 5 = ……………….

0,241 x 50 = ………………

 24 Pose la multiplication 735 x 4. Puis trouve les résultats des multiplications suivantes sans poser l’opération.

7,35 x 4 = ……………….

0,735 x 4 = ……………….

73,5 x 400 = ……………….7,35 x 40 = ……………….

0,735 x 400 = ……………….

73,5 x 40 = ………………

 25 Sur ton cahier, pose et calcule les multiplications.

5 727,61 x 4 14 270,5 x 8 6 903,516 x 6

 26 Sur ton cahier, pose et calcule les multiplications.

94,51 x 36 50,478 x 15 3 247,6 x 73 465,925 x 28

 27  DÉFI  Le résultat de cette multiplication est faux. Trouve les erreurs et corrige-les.

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 28 Il manque la virgule au résultat. Ajoute-la pour avoir le bon résultat.

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 29 Calcule les multiplications posées.

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|  | X |  |  |  |  |  |  |  |  |  | 1 |  | 7 | , | 5 |
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 30 Sur ton cahier, pose et calcule les multiplications.

75,6 x 29,2 431,72 x 8,63 550,3 x 12,48