

**CYCLE 3 - Multiplier   
des nombres entiers**

Le cahier d’exercices pour la classe

Les Fantastiques Exercices de Mathématiques

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

1 Calcule le plus vite possible.

9 x 8 = 72

4 x 6 = 24

8 x 7 = 56

7 x 4 = 28

8 x 8 = 64

5 x 6 = 30

7 x 9 = 63

6 x 7 = 42

4 x 8 = 32

6 x 9 = 54

8 x 6 = 48

9 x 9 = 81

2 Complète les multiplications.

8 x 4 = 32

6 x 6 = 36

7 x 5 = 358 x 7 = 56

9 x 4 = 36

9 x 9 = 815 x 8 = 40

7 x 9 = 63

8 x 8 = 64

3 Calcule ces multiplications en ligne.

17 x 100 = 1 700

284 x 10 = 2 840

755 x 100 = 75 500

306 x 100 = 30 600

1 090 x 10 = 10 900

62 x 1 000 = 62 000

8 540 x 100 = 854 000

514 x 1 000 = 514 000

4 907 x 1 000 = 4 907 000

4 Sur ton cahier, recopie et complète les opérations avec 10, 100, 1 000.

195 x 100 = 19 500

706 x 10 = 7 060

31 x 100 = 3 1004 058 x 10 = 40 580

5 800 x 1 000 = 5 800 000

317 x 1 000 = 317 00018 099 x 100 = 1 809 900

94 x 1 000 = 94 000

60 830 x 10 = 608 300

5 Calcule ces multiplications en ligne.

(10 x 7) x 100 = 7 000

(100 x 8) x 100 = 80 000

(10 x 60) x 1 000 = 600 000

(100 x 30) x 10 = 30 000

(1 000 x 90) x 100 = 9 000 000

(10 x 500) x 1 000 = 5 000 000

6 Calcule ces multiplications en ligne.

354 x 1 000 = 354 000

6 122 x 1 000 = 6 122 000

751 x 10 000 = 7 510 000

71 825 x 1 000 = 71 825 000

917 631 x 10 = 9 176 310

156 004 x 100 = 15 600 400

289 001 x 1 000 = 289 001 000

62 513 x 100 = 6 251 300

1 799 958 x 100 = 179 995 800

7 Recopie et complète avec le bon nombre.

1. Pour faire 500 000 je dois multiplier 5 par 100 000
2. Pour faire 70 000 je dois multiplier 70 par 1 000
3. Pour faire 200 000 je dois multiplier 20 par 10 000
4. Pour faire 9 000 000 je dois multiplier 9 par 1 000 000

8 Vrai ou Faux ? Entoure la bonne étiquette. Puis, corrige la phrase si elle est fausse.

1. 100 billets de 50 € font 500€. 🡪 Vrai Faux.
2. 300 billets de 100 € font 30 000€. 🡪 Vrai Faux.
3. 60 billets de 20 € font 12 000€. 🡪 Vrai Faux.
4. 80 billets de 500 € font 40 000€. 🡪 Vrai Faux.
5. 700 billets de 500 € font 350 000€. 🡪 Vrai Faux

9 Calcule ces multiplications en ligne.

20 x 30 = 600

400 x 50 = 20 000

600 x 600 = 360 000

8 000 x 700 = 5 600 000

90 000 x 20 = 1 800 000

7 000 x 4 000 = 28 000 000

10 Complète les multiplications avec 50, 60, 70 ou 80.

700 x 60 = 42 000

8 000 x 50 = 400 000900 x 70 = 63 000

6 000 x 80 = 480 000

11 Complète les multiplications.

60 x 30 = 1 800

50 x 800 = 40 000400 x 90 = 36 000

90 x 70 = 6 3003 000 x 40 = 120 000

700 x 70 = 49 000

12 Calcule le plus vite possible.

13 x 3 = 39

24 x 2 = 48

53 x 2 = 106

72 x 3 = 216

13 Calcule le plus vite possible.

423 x 2 = 846

223 x 3 = 669

631 x 3 = 1 893

9 142 x 2 = 18 284

14 Sur ton cahier, décompose les multiplications et calcule.

Exemple : 523 x 4 = (500 x 4) + (20 x 4) + (3 x 4) = 2 000 + 80 + 12 = 2 092

37 x 5 = (30 x 5) + (7 x 5) = 150 + 35 = 185

83 x 6 = (80 x 6) + (3 x 6) = 480 + 18 = 498

281 x 2 = (200 x 2) + (80 x 2) + (1 x 2) = 400 + 160 + 2 = 562

634 x 7 = (600 x 7) + (30 x 7) + (4 x 7) = 4 200 + 210 + 28 = 4 438

15 Ces décompositions sont fausses. Trouve les erreurs, corrige-les et écris les bons résultats.

93 x 9 = (90 x 9) + (30 x 9) = 810 + 270 = 1 080

* 93 x 9 = (90 x 9) + (3 x 9) = 810 + 27 = 837

170 x 5 = (100 x 5) + (70 x 5) = 500 + 35 = 535

* 170 x 5 = (100 x 5) + (70 x 5) = 500 + 350 = 850

608 x 3 = (60 x 3) + (8 x 3) = 180 + 24 = 204

* 608 x 3 = (600 x 3) + (8 x 3) = 1 800 + 24 = 1 824

4 702 x 8 = (4 000 x 8) + (700 x 8) + (20 x 8) = 32 000 + 5 600 + 160 = 37 760

* 4 702 x 8 = (4 000 x 8) + (700 x 8) + (2 x 8) = 32 000 + 5 600 + 16 = 37 616

16 Décompose comme dans les exercices précédents.

54 x 4 = (50 x 4) + (4 x 4) = 200 + 16 = 216

82 x 6 = (80 x 6) + (2 x 6) = 480 + 12 = 492

247 x 9 = (200 x 9) + (40 x 9) + (7 x 9) = 1 800 + 360 + 63 = 2 223

637 x 5 = (600 x 5) + (30 x 5) + (7 x 5) = 3 000 + 150 + 35 = 3 185

1 362 x 8 = (1 000 x 8) + (300 x 8) + (60 x 8) + (2 x 8) = 8 000 + 2 400 + 480 + 16 =   
10 896

8 495 x 7 = (8 000 x 7) + (400 x 7) + (90 x 7) + (5 x 7) = 56 000 + 2 800 + 630 + 35 = 59 465

17 Estime un ordre de grandeur. Exemple : 43 x 58 🡪 40 x 60 = 2 400

37 x 81 🡪 40 x 80 = 3 200

72 x 63 🡪 70 x 60 = 4 200

88 x 49 🡪 90 x 50 = 4 500

17 x 54 🡪 20 x 50 = 1 000

18 Sans poser les multiplications, entoure le nombre le plus proche du résultat.

29 x 52 🡪 1 000 1 500 2 000.

43 x 71 🡪 1 800 2 100 2 800.

305 x 12 🡪 3 000 4 000 5 000.

227 x 99 🡪 18 000 20 000 27 000.

19 Sur ton cahier, pose et calcule les multiplications.

27 x 4 = 108

56 x 7 = 392

83 x 9 = 747

20 Sur ton cahier, pose et calcule les multiplications.

44 x 3 = 132

106 x 5 = 530

237 x 6 = 1 422

21 Sur ton cahier, pose et calcule les multiplications.

405 x 7 = 2 835367 x 2 = 734940 x 5 = 4 700

22 DÉFI Complète les multiplications.

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23 Sur ton cahier, pose et calcule les multiplications.

713 x 4 = 2 852

852 x 6 = 5 112

671 x 9 = 6 039

24 Sur ton cahier, pose et calcule les multiplications.

5 418 x 2 = 10 836

6 049 x 6 = 36 294

3 500 x 9 = 31 500

25 Sur ton cahier, pose et calcule les multiplications.

4 802 x 5 = 24 010

7 713 x 8 = 61 704

2 935 x 4 = 11 740

26 Complète les multiplications.

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27 Ces multiplications sont fausses. Barre les chiffres du résultat qui sont faux et écris le bon résultat dans les cases vides.

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28 Ces multiplications sont fausses. Barre les chiffres du résultat qui sont faux et écris le bon résultat dans les cases vides.

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29 Décompose les multiplications comme dans l’exemple puis calcule.

Exemple : 23 x 14 = (23 x 10) + (23 x 4) = 230 + 92 = 322

42 x 21 = (42 x 20) + (42 x 1) = 840 + 42 = 882

53 x 17 = (53 x 10) + (53 x 7) = 530 + 371 = 901

105 x 26 = (105 x 20) + (105 x 6) = 2 100 + 630 = 2 730

87 x 13 = (87 x 10) + (87 x 3) = 870 + 261 = 1 131

30 Estime un ordre de grandeur.

Exemple : 309 x 48 = 300 x 50 = 15 000

189 x 31 = 200 x 30 = 6 000

581 x 72 = 600 x 70 = 42 000

4 102 x 48 = 4 000 x 50 = 200 000

8 443 x 99 = 8 000 x 100 = 800 000

31 Sur ton cahier, pose et calcule les multiplications.

72 x 13 = 936

86 x 28 = 2 408

34 x 40 = 1 360

91 x 15 = 1 365

52 x 39 = 2 028

70 x 90 = 6 300

32 Sur ton cahier, pose et calcule les multiplications.

371 x 35 = 12 985

814 x 59 = 48 026

607 x 12 = 7 284

33 Sur ton cahier, pose et calcule les multiplications.

950 x 42 = 39 900

786 x 72 = 56 592

234 x 80 = 18 720

34 Sur ton cahier, pose et calcule les multiplications.

6 280 x 17 = 106 760

2 437 x 82 = 199 834

3 550 x 90 = 319 500

7 081 x 44 = 311 564

35 Vrai ou faux ? Avec ta calculatrice, vérifie ces décompositions. Si elles sont fausses, corrige-les.

1. 158 x 54 = (158 x 50) + ( 158 x 4) = 7 900 + 632 = 8 532 Vrai Faux.
2. 284 x 49 = (284 x 40) + (284 x 9) = 11 360 + 2 556 = 13 916 Vrai Faux.
3. 437 x 71 = (437 x 70) + (437 x 1) = 30 590 + 437 = 31 027 Vrai Faux.

36 Estime un ordre de grandeur. Puis, avec ta calculatrice, calcule le résultat exact.

Exemple : 617 x 53 = 600 x 50 = 30 000

1. 819 x 78 = 800 x 80 = 64 000
2. 293 x 62 = 300 x 60 = 18 000
3. 1 431 x 59 = 1 400 x 60 = 84 000

37 Complète ces multiplications.

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38 DÉFI Ces multiplications sont fausses. Trouve les erreurs et corrige-les.

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