

Calcul mental

Calcul astucieux :
Distributivité

Entraînement 1

| | |
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| 101×78 | |
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| | |
| $21 \times 0,6$ | |
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| | |
| 99×25 | |

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| | $37 \times 25 + 37 \times 75$ |
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| | |
| | $23 \times 12,3 - 23 \times 2,3$ |
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| | |
| | $4,5 \times 8,9 + 4,5 \times 1,1$ |

Prenez votre stylo vert...

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| 101×78 | |
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|--------------------------|--|
| $101 \times 78 = 7\ 878$ | |
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| $101 \times 78 = 7\ 878$ | |
| $21 \times 0,6$ | |
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| $101 \times 78 = 7\ 878$ | |
| $21 \times 0,6 = 12,6$ | |
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|--------------------------|--|
| $101 \times 78 = 7\ 878$ | |
| $21 \times 0,6 = 12,6$ | |
| 99×25 | |

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|--------------------------|--|
| $101 \times 78 = 7\ 878$ | |
| $21 \times 0,6 = 12,6$ | |
| $99 \times 25 = 2\ 475$ | |

$$101 \times 78 = 7\,878$$

$$21 \times 0,6 = 12,6$$

$$99 \times 25 = 2\,475$$

$$37 \times 25 + 37 \times 75$$

$$101 \times 78 = 7\ 878$$

$$37 \times 25 + 37 \times 75 = 3\ 700$$

$$21 \times 0,6 = 12,6$$

$$99 \times 25 = 2\ 475$$

$$101 \times 78 = 7\ 878$$

$$37 \times 25 + 37 \times 75 = 3\ 700$$

$$21 \times 0,6 = 12,6$$

$$23 \times 12,3 - 23 \times 2,3$$

$$99 \times 25 = 2\ 475$$

$$101 \times 78 = 7\ 878$$

$$21 \times 0,6 = 12,6$$

$$99 \times 25 = 2\ 475$$

$$37 \times 25 + 37 \times 75 = 3\ 700$$

$$23 \times 12,3 - 23 \times 2,3 = 230$$

$$101 \times 78 = 7\ 878$$

$$21 \times 0,6 = 12,6$$

$$99 \times 25 = 2\ 475$$

$$37 \times 25 + 37 \times 75 = 3\ 700$$

$$23 \times 12,3 - 23 \times 2,3 = 230$$

$$4,5 \times 8,9 + 4,5 \times 1,1$$

$$101 \times 78 = 7\ 878$$

$$21 \times 0,6 = 12,6$$

$$99 \times 25 = 2\ 475$$

$$37 \times 25 + 37 \times 75 = 3\ 700$$

$$23 \times 12,3 - 23 \times 2,3 = 230$$

$$4,5 \times 8,9 + 4,5 \times 1,1 = 45$$

Calcul mental

Calcul astucieux :
Distributivité

Entraînement 2

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| 102×34 | |
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| | |
| 98×6 | |
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| | |
| 1 010 × 74 | |

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|--|-------------------------------|
| | $54 \times 45 + 54 \times 55$ |
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| | |
| | $82 \times 0,6 + 82 \times 0,4$ |
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|--|----------------------------------|
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| | |
| | $7,3 \times 115 - 7,3 \times 15$ |

Prenez votre stylo vert...

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|-----------------|--|
| 102×34 | |
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|--------------------------|--|
| $102 \times 34 = 3\ 468$ | |
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|--------------------------|--|
| $102 \times 34 = 3\ 468$ | |
| 98×6 | |
| | |

| | |
|--------------------------|--|
| $102 \times 34 = 3\,468$ | |
| $98 \times 6 = 588$ | |
| | |

$$102 \times 34 = 3\,468$$

$$98 \times 6 = 588$$

$$1\,010 \times 74$$

$$102 \times 34 = 3\,468$$

$$98 \times 6 = 588$$

$$1\,010 \times 74 = 74\,740$$

| | |
|------------------------------|-------------------------------|
| $102 \times 34 = 3\ 468$ | $54 \times 45 + 54 \times 55$ |
| $98 \times 6 = 588$ | |
| $1\ 010 \times 74 = 74\ 740$ | |

$$102 \times 34 = 3\,468$$

$$54 \times 45 + 54 \times 55 = 5\,400$$

$$98 \times 6 = 588$$

$$1\,010 \times 74 = 74\,740$$

| | |
|------------------------------|--|
| $102 \times 34 = 3\,468$ | $54 \times 45 + 54 \times 55 = 5\,400$ |
| $98 \times 6 = 588$ | $82 \times 0,6 + 82 \times 0,4$ |
| $1\,010 \times 74 = 74\,740$ | |

| | |
|------------------------------|--|
| $102 \times 34 = 3\,468$ | $54 \times 45 + 54 \times 55 = 5\,400$ |
| $98 \times 6 = 588$ | $82 \times 0,6 + 82 \times 0,4 = 82$ |
| $1\,010 \times 74 = 74\,740$ | |

| | |
|------------------------------|--|
| $102 \times 34 = 3\ 468$ | $54 \times 45 + 54 \times 55 = 5\ 400$ |
| $98 \times 6 = 588$ | $82 \times 0,6 + 82 \times 0,4 = 82$ |
| $1\ 010 \times 74 = 74\ 740$ | $7,3 \times 115 - 7,3 \times 15$ |

| | |
|------------------------------|--|
| $102 \times 34 = 3\ 468$ | $54 \times 45 + 54 \times 55 = 5\ 400$ |
| $98 \times 6 = 588$ | $82 \times 0,6 + 82 \times 0,4 = 82$ |
| $1\ 010 \times 74 = 74\ 740$ | $7,3 \times 115 - 7,3 \times 15 = 730$ |

Calcul mental

Calcul astucieux :
Distributivité

Entraînement 3

| | |
|-----------------|--|
| 83×101 | |
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| | |
| $15 \times 66 + 15 \times 34$ | |
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|----------------------------|--|
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| | |
| $39 \times 7 - 9 \times 7$ | |

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|--|----------------|
| | 99×22 |
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|--|---------------|
| | |
| | 98×5 |
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|--|--------------------------------|
| | |
| | |
| | $95 \times 2,4 + 5 \times 2,4$ |

Prenez votre stylo vert...

| | |
|-----------------|--|
| 83×101 | |
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|--------------------------|--|
| $83 \times 101 = 8\ 383$ | |
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| | |

$$83 \times 101 = 8\ 383$$

$$15 \times 66 + 15 \times 34$$

$$83 \times 101 = 8\,383$$

$$15 \times 66 + 15 \times 34 = 1\,515$$

$$83 \times 101 = 8\,383$$

$$15 \times 66 + 15 \times 34 = 1\,515$$

$$39 \times 7 - 9 \times 7$$

$$83 \times 101 = 8\,383$$

$$15 \times 66 + 15 \times 34 = 1\,515$$

$$39 \times 7 - 9 \times 7 = 210$$

$$83 \times 101 = 8\ 383$$

$$99 \times 22$$

$$15 \times 66 + 15 \times 34 = 1\ 515$$

$$39 \times 7 - 9 \times 7 = 210$$

$$83 \times 101 = 8\ 383$$

$$99 \times 22 = 2\ 178$$

$$15 \times 66 + 15 \times 34 = 1\ 515$$

$$39 \times 7 - 9 \times 7 = 210$$

| | |
|--|-------------------------|
| $83 \times 101 = 8\ 383$ | $99 \times 22 = 2\ 178$ |
| $15 \times 66 + 15 \times 34 = 1\ 515$ | 98×5 |
| $39 \times 7 - 9 \times 7 = 210$ | |

| | |
|--|-------------------------|
| $83 \times 101 = 8\ 383$ | $99 \times 22 = 2\ 178$ |
| $15 \times 66 + 15 \times 34 = 1\ 515$ | $98 \times 5 = 490$ |
| $39 \times 7 - 9 \times 7 = 210$ | |

| | |
|--|--------------------------------|
| $83 \times 101 = 8\ 383$ | $99 \times 22 = 2\ 178$ |
| $15 \times 66 + 15 \times 34 = 1\ 515$ | $98 \times 5 = 490$ |
| $39 \times 7 - 9 \times 7 = 210$ | $95 \times 2,4 + 5 \times 2,4$ |

| | |
|--|--------------------------------------|
| $83 \times 101 = 8\,383$ | $99 \times 22 = 2\,178$ |
| $15 \times 66 + 15 \times 34 = 1\,515$ | $98 \times 5 = 490$ |
| $39 \times 7 - 9 \times 7 = 210$ | $95 \times 2,4 + 5 \times 2,4 = 240$ |

Calcul mental

Calcul astucieux :
Distributivité

Entraînement 4

| | |
|----------------|--|
| 79×11 | |
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| | |
| $84 \times 16 + 16 \times 16$ | |
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|-----------------------------------|--|
| | |
| | |
| $1,2 \times 8,9 + 1,2 \times 1,1$ | |

| | |
|--|-----------------|
| | 13×102 |
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|--|------------------------------|
| | |
| | $315 \times 7 - 15 \times 7$ |
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|--|-------------------|
| | |
| | |
| | $5,4 \times 10^1$ |

Prenez votre stylo vert...

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|----------------|--|
| 79×11 | |
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|-------------------------|--|
| $79 \times 11 = 7\ 979$ | |
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| | |

$$79 \times 11 = 7\ 979$$

$$84 \times 16 + 16 \times 16$$

$$79 \times 11 = 7\ 979$$

$$84 \times 16 + 16 \times 16 = 1\ 600$$

$$79 \times 11 = 7\ 979$$

$$84 \times 16 + 16 \times 16 = 1\ 600$$

$$1,2 \times 8,9 + 1,2 \times 1,1$$

$$79 \times 11 = 7\ 979$$

$$84 \times 16 + 16 \times 16 = 1\ 600$$

$$1,2 \times 8,9 + 1,2 \times 1,1 = 12$$

| | |
|--|-----------------|
| $79 \times 11 = 7\ 979$ | 13×102 |
| $84 \times 16 + 16 \times 16 = 1\ 600$ | |
| $1,2 \times 8,9 + 1,2 \times 1,1 = 12$ | |

| | |
|--|--------------------------|
| $79 \times 11 = 7\ 979$ | $13 \times 102 = 1\ 326$ |
| $84 \times 16 + 16 \times 16 = 1\ 600$ | |
| $1,2 \times 8,9 + 1,2 \times 1,1 = 12$ | |

| | |
|--|------------------------------|
| $79 \times 11 = 7\ 979$ | $13 \times 102 = 1\ 326$ |
| $84 \times 16 + 16 \times 16 = 1\ 600$ | $315 \times 7 - 15 \times 7$ |
| $1,2 \times 8,9 + 1,2 \times 1,1 = 12$ | |

| | |
|--|---------------------------------------|
| $79 \times 11 = 7\ 979$ | $13 \times 102 = 1\ 326$ |
| $84 \times 16 + 16 \times 16 = 1\ 600$ | $315 \times 7 - 15 \times 7 = 2\ 100$ |
| $1,2 \times 8,9 + 1,2 \times 1,1 = 12$ | |

| | |
|--|---------------------------------------|
| $79 \times 11 = 7\ 979$ | $13 \times 102 = 1\ 326$ |
| $84 \times 16 + 16 \times 16 = 1\ 600$ | $315 \times 7 - 15 \times 7 = 2\ 100$ |
| $1,2 \times 8,9 + 1,2 \times 1,1 = 12$ | $5,4 \times 101$ |

| | |
|--|---------------------------------------|
| $79 \times 11 = 7\ 979$ | $13 \times 102 = 1\ 326$ |
| $84 \times 16 + 16 \times 16 = 1\ 600$ | $315 \times 7 - 15 \times 7 = 2\ 100$ |
| $1,2 \times 8,9 + 1,2 \times 1,1 = 12$ | $5,4 \times 101 = 5\ 405,4$ |

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|-----------------|--|
| 101×83 | |
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| 99×25 | |
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| 202×31 | |
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| | |
| $93 \times 48 + 7 \times 48$ | |
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| $17 \times 70 + 17 \times 30$ | |

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|--|-------------------------------|
| | $27 \times 105 - 27 \times 5$ |
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|--|----------------|
| | |
| | 15×99 |
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|--|-----------------------------------|
| | |
| | |
| | $0,75 \times 48 + 0,25 \times 48$ |
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| | |
| | $15,2 \times 30 - 30 \times 5,2$ |
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| | $5,8 \times 10^{10}$ |

Posez votre stylo et faites passer vos feuilles devant...

| | |
|-----------------|--|
| 101×83 | |
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|--------------------------|--|
| $101 \times 83 = 8\ 383$ | |
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| | |

| | |
|--------------------------|--|
| $101 \times 83 = 8\ 383$ | |
| 99×25 | |
| | |
| | |
| | |

$$101 \times 83 = 8\,383$$

$$99 \times 25 = 2\,475$$

$$101 \times 83 = 8\,383$$

$$99 \times 25 = 2\,475$$

$$202 \times 31$$

$$101 \times 83 = 8\,383$$

$$99 \times 25 = 2\,475$$

$$202 \times 31 = 6\,262$$

$$101 \times 83 = 8\,383$$

$$99 \times 25 = 2\,475$$

$$202 \times 31 = 6\,262$$

$$93 \times 48 + 7 \times 48$$

$$101 \times 83 = 8\,383$$

$$99 \times 25 = 2\,475$$

$$202 \times 31 = 6\,262$$

$$93 \times 48 + 7 \times 48 = 4\,800$$

| | |
|---------------------------------------|--|
| $101 \times 83 = 8\ 383$ | |
| $99 \times 25 = 2\ 475$ | |
| $202 \times 31 = 6\ 262$ | |
| $93 \times 48 + 7 \times 48 = 4\ 800$ | |
| $17 \times 70 + 17 \times 30$ | |

| | |
|--|--|
| $101 \times 83 = 8\,383$ | |
| $99 \times 25 = 2\,475$ | |
| $202 \times 31 = 6\,262$ | |
| $93 \times 48 + 7 \times 48 = 4\,800$ | |
| $17 \times 70 + 17 \times 30 = 1\,700$ | |

| | |
|--|-------------------------------|
| $101 \times 83 = 8\ 383$ | $27 \times 105 - 27 \times 5$ |
| $99 \times 25 = 2\ 475$ | |
| $202 \times 31 = 6\ 262$ | |
| $93 \times 48 + 7 \times 48 = 4\ 800$ | |
| $17 \times 70 + 17 \times 30 = 1\ 700$ | |

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|--|--|
| $101 \times 83 = 8\ 383$ | $27 \times 105 - 27 \times 5 = 2\ 700$ |
| $99 \times 25 = 2\ 475$ | |
| $202 \times 31 = 6\ 262$ | |
| $93 \times 48 + 7 \times 48 = 4\ 800$ | |
| $17 \times 70 + 17 \times 30 = 1\ 700$ | |

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|--|--|
| $101 \times 83 = 8\ 383$ | $27 \times 105 - 27 \times 5 = 2\ 700$ |
| $99 \times 25 = 2\ 475$ | 15×99 |
| $202 \times 31 = 6\ 262$ | |
| $93 \times 48 + 7 \times 48 = 4\ 800$ | |
| $17 \times 70 + 17 \times 30 = 1\ 700$ | |

| | |
|--|--|
| $101 \times 83 = 8\ 383$ | $27 \times 105 - 27 \times 5 = 2\ 700$ |
| $99 \times 25 = 2\ 475$ | $15 \times 99 = 1\ 485$ |
| $202 \times 31 = 6\ 262$ | $0,75 \times 48 + 0,25 \times 48$ |
| $93 \times 48 + 7 \times 48 = 4\ 800$ | |
| $17 \times 70 + 17 \times 30 = 1\ 700$ | |

| | |
|--|--|
| $101 \times 83 = 8\ 383$ | $27 \times 105 - 27 \times 5 = 2\ 700$ |
| $99 \times 25 = 2\ 475$ | $15 \times 99 = 1\ 485$ |
| $202 \times 31 = 6\ 262$ | $0,75 \times 48 + 0,25 \times 48 = 48$ |
| $93 \times 48 + 7 \times 48 = 4\ 800$ | |
| $17 \times 70 + 17 \times 30 = 1\ 700$ | |

| | |
|--|--|
| $101 \times 83 = 8\ 383$ | $27 \times 105 - 27 \times 5 = 2\ 700$ |
| $99 \times 25 = 2\ 475$ | $15 \times 99 = 1\ 485$ |
| $202 \times 31 = 6\ 262$ | $0,75 \times 48 + 0,25 \times 48 = 48$ |
| $93 \times 48 + 7 \times 48 = 4\ 800$ | $15,2 \times 30 - 30 \times 5,2$ |
| $17 \times 70 + 17 \times 30 = 1\ 700$ | |

| | |
|--|--|
| $101 \times 83 = 8\ 383$ | $27 \times 105 - 27 \times 5 = 2\ 700$ |
| $99 \times 25 = 2\ 475$ | $15 \times 99 = 1\ 485$ |
| $202 \times 31 = 6\ 262$ | $0,75 \times 48 + 0,25 \times 48 = 48$ |
| $93 \times 48 + 7 \times 48 = 4\ 800$ | $15,2 \times 30 - 30 \times 5,2 = 300$ |
| $17 \times 70 + 17 \times 30 = 1\ 700$ | |

| | |
|--|--|
| $101 \times 83 = 8\ 383$ | $27 \times 105 - 27 \times 5 = 2\ 700$ |
| $99 \times 25 = 2\ 475$ | $15 \times 99 = 1\ 485$ |
| $202 \times 31 = 6\ 262$ | $0,75 \times 48 + 0,25 \times 48 = 48$ |
| $93 \times 48 + 7 \times 48 = 4\ 800$ | $15,2 \times 30 - 30 \times 5,2 = 300$ |
| $17 \times 70 + 17 \times 30 = 1\ 700$ | $5,8 \times 1\ 010$ |

| | |
|--|--|
| $101 \times 83 = 8\,383$ | $27 \times 105 - 27 \times 5 = 2\,700$ |
| $99 \times 25 = 2\,475$ | $15 \times 99 = 1\,485$ |
| $202 \times 31 = 6\,262$ | $0,75 \times 48 + 0,25 \times 48 = 48$ |
| $93 \times 48 + 7 \times 48 = 4\,800$ | $15,2 \times 30 - 30 \times 5,2 = 300$ |
| $17 \times 70 + 17 \times 30 = 1\,700$ | $5,8 \times 1\,010 = 5\,858$ |

| | |
|-------------------------------|-----------------------------------|
| 101×83 | $27 \times 105 - 27 \times 5$ |
| 99×25 | 15×99 |
| 202×31 | $0,75 \times 48 + 0,25 \times 48$ |
| $93 \times 48 + 7 \times 48$ | $15,2 \times 30 - 30 \times 5,2$ |
| $17 \times 70 + 17 \times 30$ | $5,8 \times 1\ 010$ |