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MULTIPLICATION OF 3 AND HIGHER DIGIT NUMBERS

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103 * 108 = ?

A. 9124
B. 10124
C. 11124
D. 12124

Answer:C

Both the numbers are closer to 10 power(base 100)

103 is 3 more than 100 and 108 is 8 more than 100

(+3) *(+8)= 24

103+8 or 108+3 =111

Final answer= 11124

548 * 456 = ?

A. 245638
B. 249888
C. 253728
D. 258758

Answer: B

Multiply 6 * 8 = 48, note down 8 and carry 4

Do cross multiplication and add add with carry (5 * 8 + 6 *4 + 4)=68, note down 8 and carry 6

Again (6 * 5 + 5 *4 + 4*8 + 6)=88, note down 8 and carry 8

Again do cross multiplication and add carry(5* 5 +4 * 4 + 8)= 49, note down 9 and carry 4

Do multiplication of left numbers (4 * 5 + 4)=24

Result: 249888

275 * 354 =?

   A. 96310
   B. 96780
   C. 97000
   D. 97350

Answer: D

Multiply 4 * 5 = 20, note down 0and carry 2

Do cross multiplication and add add with carry (5 * 5 + 4*7 + 2)=55, note down 5 and carry 5

Again (4 * 2 + 3 *5 + 5*7 + 5)=63, note down 3 and carry 6

Again do cross multiplication and add carry(5* 2 +3 * 7 + 6)= 37, note down 7 and carry 3

Do multiplication of left numbers (3* 2 + 3)=9

Result: 97350

3214826878 * 5 =?

   A.   16070884010
   B.   16072715310
   C.   16074134390
   D.   16075829960

Answer: C

Firstly we divide the large number by 2, i.e. 3214826878/2 = 1607413439

Add one zero at the right of this number **16074134390**

429726458 * 5 = ?

    A. 2148632290
    B. 2157634890
    C. 2167489820
    D. 2188355230

Answer: A

Firstly we divide the large number by 2, i.e.429726458 / 2 = 214863229

Add one zero at the right of this number **2148632290**

1234 * 11 = ?

A. 13234
B. 13574
C. 13794
D. 13934

Answer: B

Firstly we write down the right most number of 1234, i.e. 4.

Add the 4 + 3 = 7(note down 7 to the left of 4) 74

Again add 3 + 2 =5 (note down 5 to the left of 7) 574

Again add 2+1= 3, note down 3 to the left of 5 => 3574

Note down 1 to the left of number

13574

2539 * 11 =?

    A.   27009
    B.   27539
    C.   27759
    D.   27929

Answer: D

Explanation:

Firstly we write down the right most number of 2539, i.e. 9

Add the 9 + 3 = 12(note down 7 to the left of 9 and carry 1) 29

Again add 3 + 5 + 1 =9 (note down 9 to the left of 2) 929

Again add 5+2= 7, note down 7 to the left of 9 => 7929

Note down 2 to the left of number

27929

3333 * 39 = ?

A. 126347
B. 127557
C. 128767
D. 129987

Answer: D

Multiply 9 * 3 = 27 (not down 7 and carry 2)

Do cross Multiplication and add carry (9 *3 + 3 * 3 + 2) = 38 , note down 8 and carry 3

Again do cross Multiplication and add carry (9 *3 + 3 * 3 + 3) = 39, note down 9 and carry 3

Again do cross Multiplication and add carry (9 *3 + 3 * 3 + 3) = 39, note down 9 and carry 3

Multiply of left numbers and add carry (3 * 3 + 3) =12

Result: **129987**

5678 * 59 =?

- A. 333542
- B. 335002
- C. 337532
- D. 339642

Answer: B

Multiply 9 * 8 = 72 (not down 2 and carry 7)

Do cross Multiplication and add carry (5 *8 + 9 * 7 + 7) = 110 , note down 0 and carry 11

Again do cross Multiplication and add carry (5 *7 + 9 * 6 + 11) = 100, note down 0 and carry 10

Again do cross Multiplication and add carry (5 *6 + 9 * 5 + 10) = 85, note down 5 and carry 8

Multiply of left numbers and add carry (5 * 5 + 8) =33

Result: **335002**

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64 * 99 =?

- A. 6146
- B. 6336
- C. 6686
- D. 6956

Answer:B

Multiply the number with 100,

64* 100 = 6400

Subtract number from the result

6400 - 64 = **6336**

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9800 * 300 = ?

A. 2340000
B. 2540000
C. 2740000
D. 2940000

Answer: D

Firstly count end zero's from both the number. Here in this case it is 4 (2 from first no and 2 from second no).

Multiply the numbers without zeros 98 *3 = 294

Add all 4 neglected zeros at the right of this result **2940000**

45000 * 9000000 = ?

- A. 403000000000
- B. 405000000000
- C. 407000000000
- D. 409000000000

Answer: B

Firstly count end zero's from both the number. Here in this case it is 9(3 from first no and 6 from second no).

Multiply the numbers without zeros 45 *9 = 405

Add all 9 neglected zeros at the right of this result **405000000000**

119 * 113 = ?

A. 13227
B. 13447
C. 13577
D. 13847

Answer: B

Multiply 119 with 1 and the result will be 119

Add a 00 to extreme right side of the result, 11900

Multiply 119 with 1 and the result will be 119

Add a 0 to extreme right side of the result, 1190

Multiply 119 with 3 and the result will be 357

In final step Add all result that is 11900 + 1190

239 * 189 = ?

A. 45171
B. 45371
C. 45611
D. 45821

Answer: A

Multiply 239 with 1 and the result will be 239

Add a 00 to extreme right side of the result, 23900

Multiply 239 with 8 and the result will be 1912

Add a 0 to extreme right side of the result, 19120

Multiply 239 with 9 and the result will be 2151

In final step Add all result that is 23900 + 19120 + 2151 = **45171**

395 * 284 = ?

A. 101010
B. 110550
C. 111100
D. 112180

Answer: D

Multiply 4 * 5 = 20, note down 0 nad carry 2

Do cross multiplication and add carry 4* 9 + 8 * 5 + 2 = 78, note 7 and carry 7

Again 4* 3 + 2 * 5 + 8*9 +7 = 101, note down 1 and carry 10.

Again 8 * 3 + 2* 9+10=52, note down 2 and carry 5

Do multiplication of left numbers 2*3+5 = 11

112180

THANK YOU

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