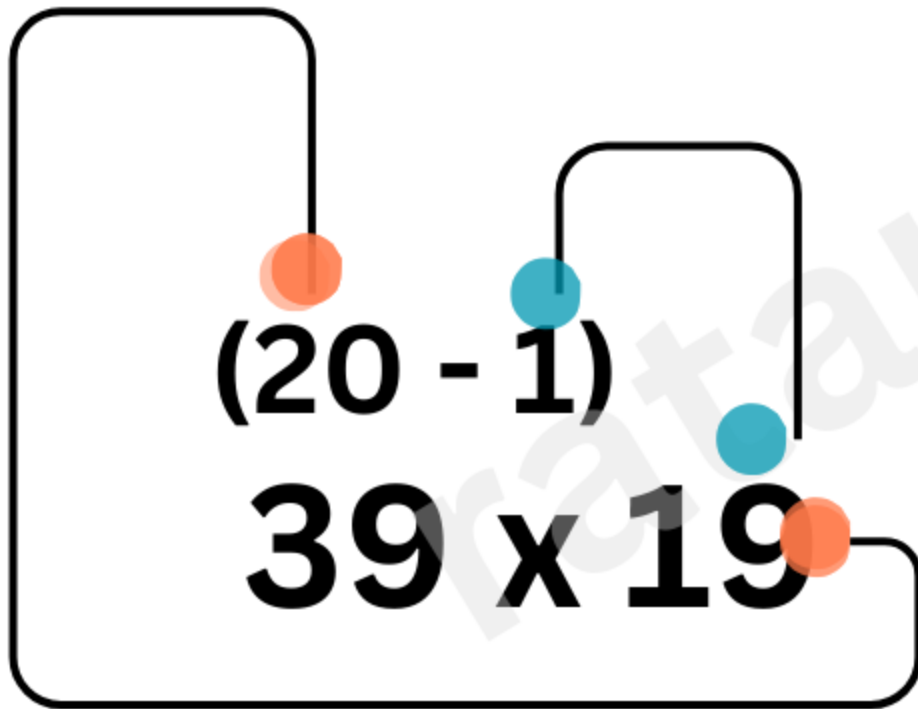


Multipale Method



$$20 \times 39 = 780$$

$$1 \times 39 = 39$$

$$780 - 39 = 741$$

Multiple

Base 100

106x104

106 +6

106+4 =110

104 +4

6 x 4= 24

11000

→

100

24

11024

Multiple

Base 100

96x93

96 - 4

93 - 7

96 - 7 = 89

4 x 7 = 28

8900 → 100

28

8928

Multiple

Base 100

105x97

108 +8

97 -3

108-3= 105

8x3 = 24

10500 → 100

24

10476

Multiple 111

(1+2=3)

12 x 11

x2No

2

132

Multiple 111

$(1+2=3)$
 $(1+2=3)$

12 x 111

2

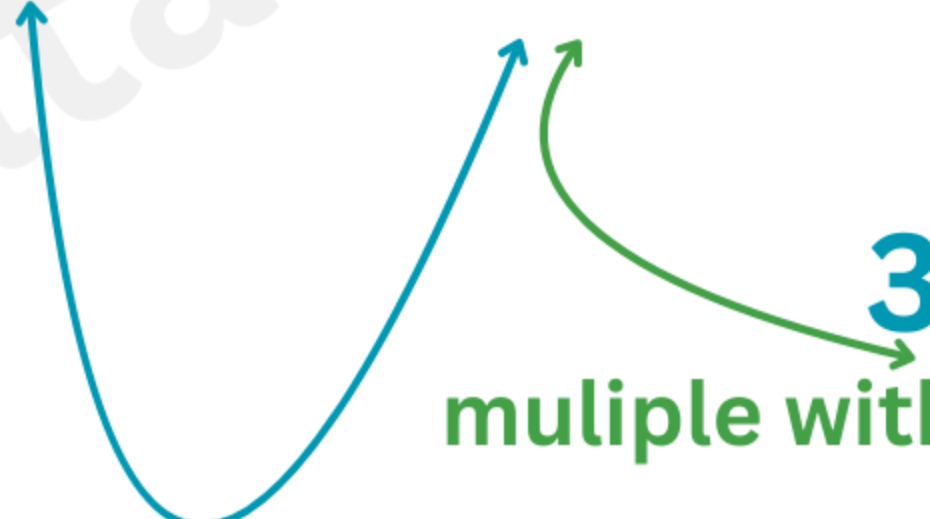
x3

No

1332

last digit addition is 10


$$23 \times 27$$



3
multiple with next digit

621

last digit addition is 10


$$32 \times 38$$



4
multiple with next digit


$$\underline{1216}$$

Divide by 25

$$\begin{array}{r} 800 \\ \hline 25 \end{array}$$



multiply by 4
divide by 100

$$\begin{array}{r} 800 \times 4 \\ \hline 100 \end{array} = 32$$



Divide by 25

$$\begin{array}{r} 400 \\ \hline 25 \end{array}$$



multiply by 4
divide by 100

$$\begin{array}{r} 400 \times 4 \\ \hline 100 \end{array} = 16$$



Multiply by 5

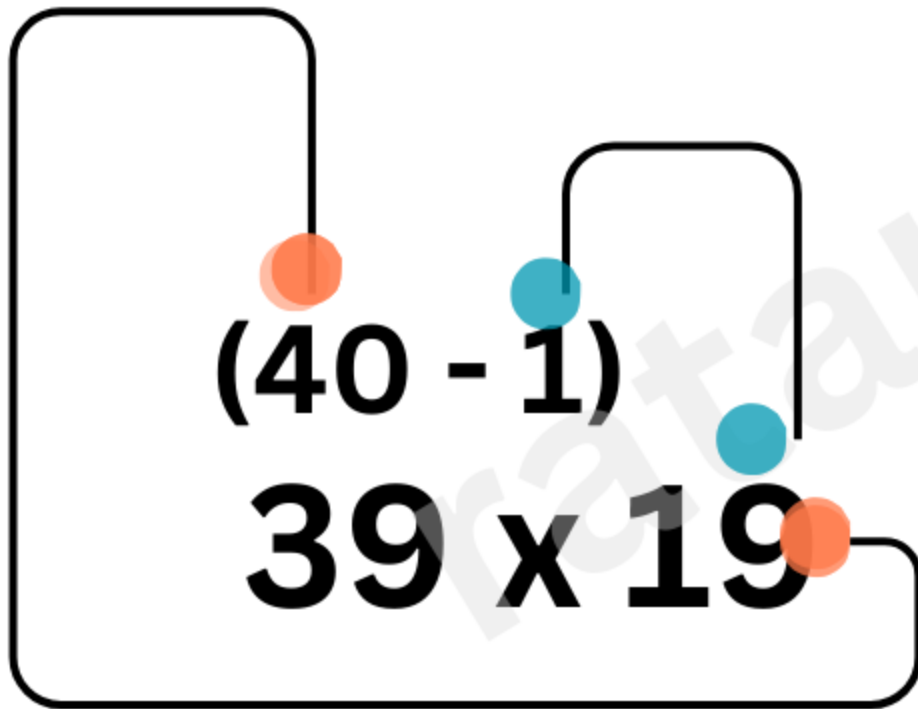
$$44 \times 5$$

$$\div 2$$



$$220$$

Multipale Method



$$40 \times 19 = 760$$

$$1 \times 19 = 19$$

$$760 - 19 = 741$$

Divide by 5

$$44 \div 5$$

$$\times 2$$



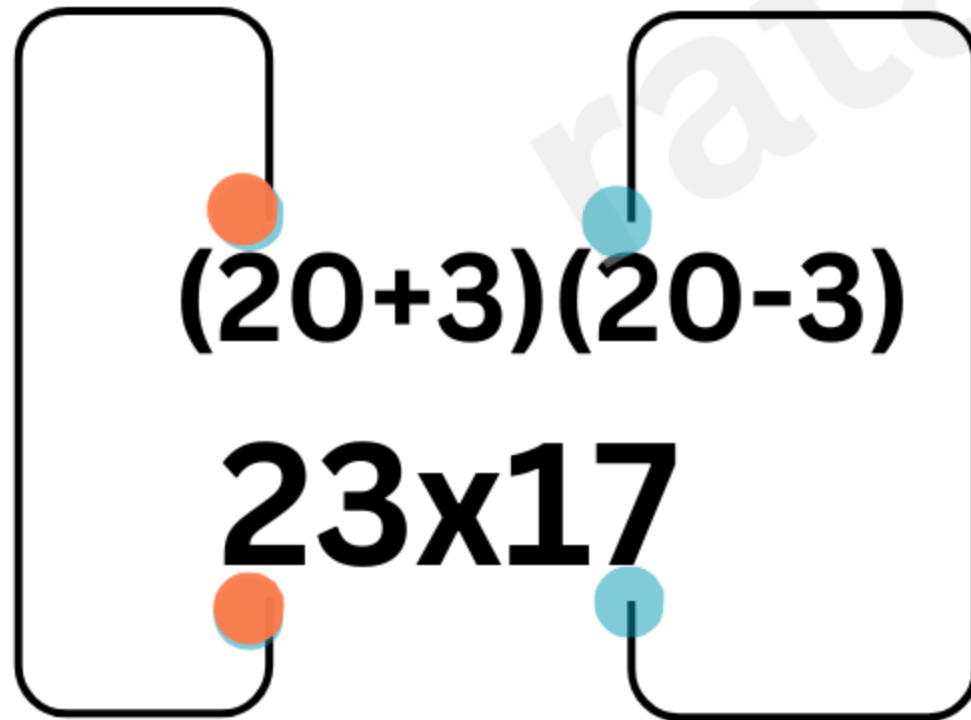
$$8.8$$

Multiply by 999

$$237 \times 999$$

	9	9	10
237	-2	-3	-7
-1	7	6	3
236	7	6	3
	2367	63	

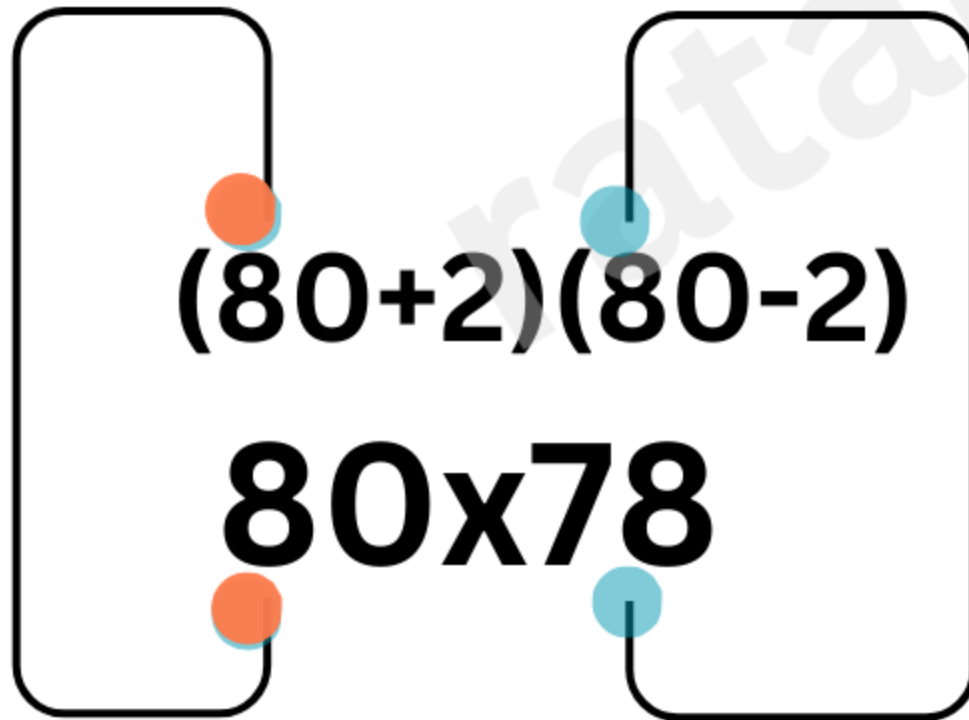
Multipale Method



$$20^2 - 3^2$$

$$400 - 9 = 391$$

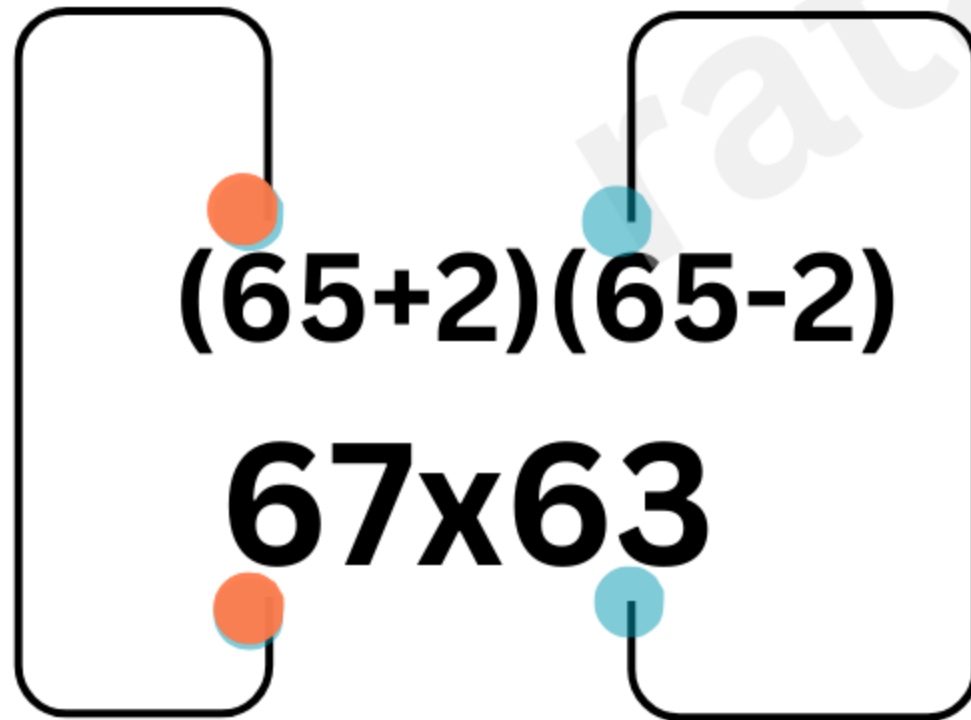
Multipale Method



$$80^2 - 2^2$$

$$6400 - 4 = 6396$$

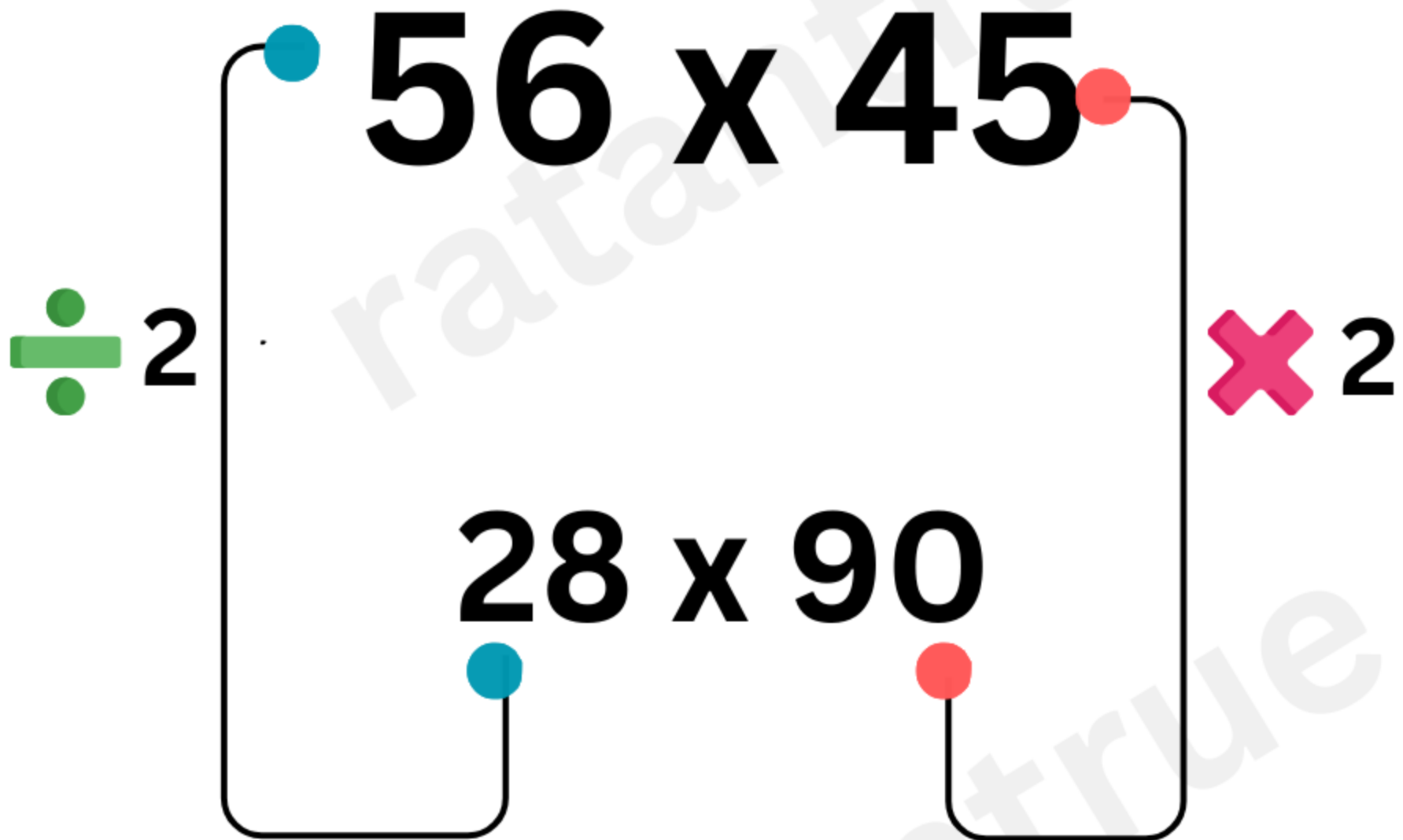
Multipale Method



$$65^2 - 4^2$$

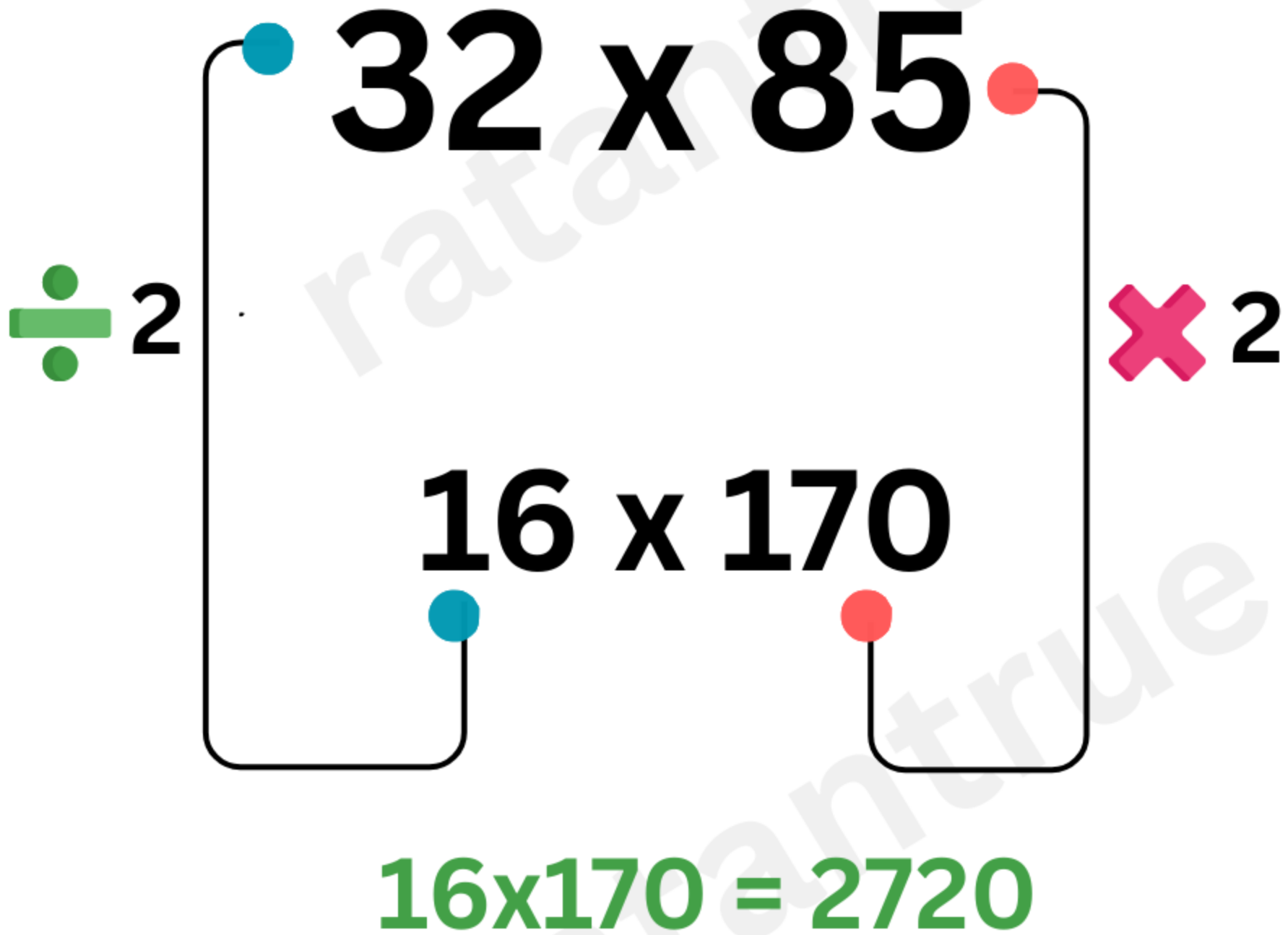
$$4225 - 4 = 4221$$

Even x Multiple of 5



$$28 \times 90 = 2520$$

Even x Multiple of 5



Multiply 111

Base 100

108x111

100+8

11x8 = 88

100+11

19

100+8

100+11

100+

11900

88

11988

Multiply 111

$1+0=1$

$8+0=8$

Base 100

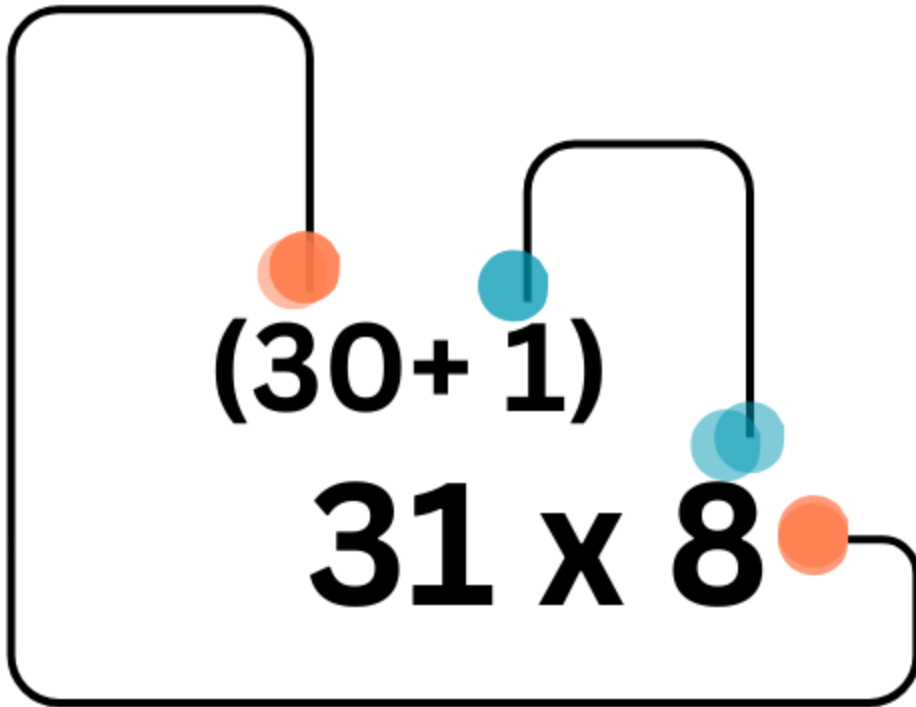
108x111

$8+1=9$

8

11988

Multipale Method

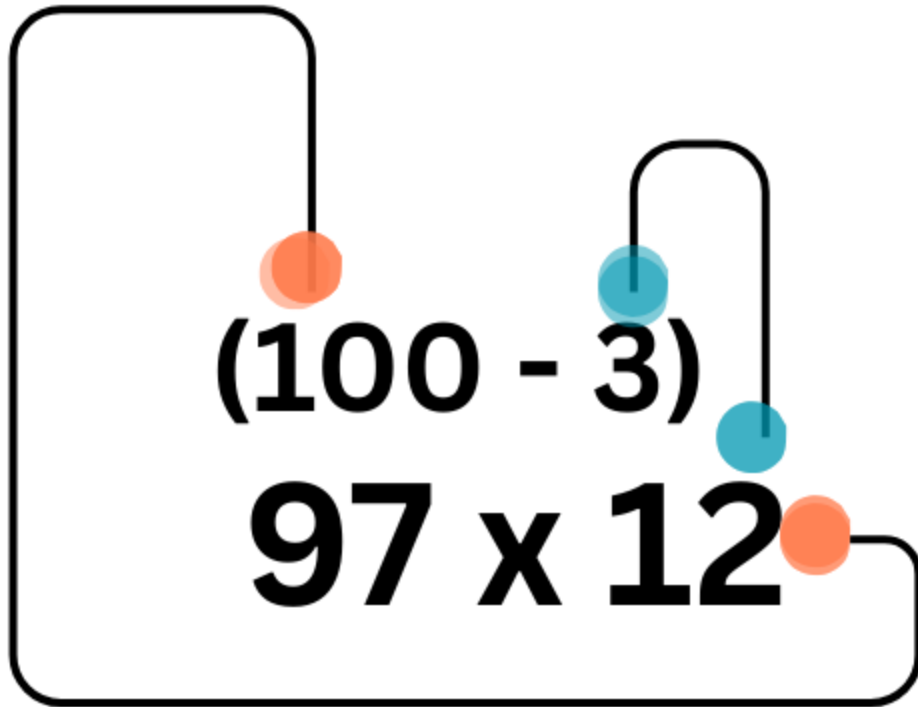


$$30 \times 8 = 240$$

$$1 \times 8 = 8$$

$$240 + 8 = 248$$

Multipale Method



$$100 \times 12 = 1200$$

$$3 \times 12 = 36$$

$$1200 + 36 = 1236$$