



Scientific Notation - Multiplication and Division - Practice

- 1** Solve the equation by multiplying scientific notation numbers

$$3 \times 8$$

A 2.4×10^0	B 2.4×10^2
C 7.2×10^{-2}	D 2.4×10^1
E 9.6×10^{-1}	F 2.4×10^{-1}

- 2** Solve the equation by multiplying scientific notation numbers

$$6.2 \times 7.9$$

A 1.96×10^0	B 4.9×10^1
C 1.47×10^0	D 1.96×10^{-1}
E 4.9×10^{-1}	F 1.96×10^1

- 3** Multiply these numbers

$$0.001 \times 0.01$$

A 0.0000001	B 0.001
C 0.00001	

- 4** Multiply these numbers

$$2 \times 0.0002$$

A 0.004	B 0.0004
C 0	D 0.04

- 5** Solve the equation by multiplying powers of ten

$$10^{-1} \times 10^{-4}$$

A 10^{-5}	B 10^{-3}
C 10^{-7}	D 10^{-4}
E 10^{-8}	

- 6** Solve the equation by multiplying numbers that are almost in scientific notation

$$(2 \times 0.0001) \times (2 \times 0.01)$$

A 4×0.0001

- 7** Solve the equation by multiplying numbers that are almost in scientific notation

$$(2 \times 0.0001) \times (3 \times 0.001)$$

- 8** Divide these numbers

$$100,000 / 10,000$$

A 0	B 10	C 9
D 8	E 1	F 1,000



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9 Divide these numbers

$$80,000 / 4$$

A 20,000	B 2,000,000
C 18,600	D 2,000
E 200,000	F 20,200

10 Solve the equation
by dividing powers
of ten

$$\frac{10^7}{10^3}$$

A 10^6	B 10^5	C 10^2
D 10^3	E 10^4	F 10^1

11 Solve the equation by dividing numbers
that are almost in scientific notation

$$\frac{(9 \times 10,000,000)}{(9 \times 10,000)}$$

A 1×10	B 1×100
C $1 \times 100,000$	D $1 \times 10,000$
E 1×1	F $1 \times 1,000$

12 Solve the equation by dividing numbers
that are almost in scientific notation

$$\frac{(8 \times 1,000,000,000)}{(1 \times 10,000)}$$

A $8 \times 100,000$	B $8 \times 1,000,000$
C $8 \times 10,000,000$	D $8 \times 1,000$
E $8 \times 10,000$	F 8×100

13 Solve the equation by multiplying scientific
notation numbers

$$(2 \times 10^3) \times (1 \times 10^4)$$

A 8.0×10^8	B 2.0×10^4
C 8.0×10^5	D 6.0×10^9
E 8.0×10^6	F 2.0×10^7

14 Solve the equation by multiplying scientific
notation numbers

$$(2 \times 10^3) \times (1 \times 10^4)$$

A 2.0×10^4	B 8.0×10^5
C 6.0×10^9	D 8.0×10^8
E 2.0×10^6	F 2.0×10^7

15 Solve the equation by multiplying scientific
notation numbers

$$(3 \times 10^0) \times (5 \times 10^3)$$

A 1.5×10^4	B 6.0×10^1
C 6.0×10^2	D 6.0×10^3
E 1.5×10^2	F 4.5×10^5

16 Solve the equation by multiplying scientific
notation numbers

$$(5.3 \times 10^3) \times (1.2 \times 10^2)$$

A 6.36×10^5	B 2.54×10^4
C 1.91×10^8	D 6.36×10^3
E 2.54×10^5	F 2.54×10^8



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- 17** Solve the equation by multiplying scientific notation numbers

$$(4.8 \times 10^2) \times (1.3 \times 10^3)$$

A	1.87×10^5	B	2.50×10^7
C	2.50×10^3	D	6.24×10^5
E	1.87×10^7	F	1.87×10^8

- 18** Solve the equation by multiplying scientific notation numbers

$$(3 \times 10^{-2}) \times (1 \times 10^{-3})$$

A	9.0×10^{-8}	B	1.2×10^{-6}
C	3.0×10^{-5}	D	9.0×10^{-3}
E	3.0×10^{-6}	F	1.2×10^{-7}

- 19** Solve the equation by multiplying scientific notation numbers

$$(1 \times 10^{-5}) \times (1 \times 10^{-4})$$

A	3.0×10^{-11}	B	1.0×10^{-9}
C	3.0×10^{-13}	D	3.0×10^{-7}
E	4.0×10^{-7}	F	4.0×10^{-10}

- 20** Solve the equation by multiplying scientific notation numbers

$$(6 \times 10^0) \times (2 \times 10^{-2})$$

A	1.2×10^0	B	4.8×10^1
C	1.2×10^{-3}	D	1.2×10^{-1}
E	3.6×10^0	F	3.6×10^{-1}

- 21** Solve the equation by multiplying scientific notation numbers

$$(3 \times 10^{-2}) \times (2.3 \times 10^{-3})$$

A	2.07×10^{-6}	B	2.76×10^{-5}
C	2.07×10^{-5}	D	6.90×10^{-4}
E	6.90×10^{-5}	F	2.76×10^{-6}

- 22** Solve the equation by multiplying scientific notation numbers

$$(1.3 \times 10^{-4}) \times (6 \times 10^{-2})$$

A	2.34×10^{-3}	B	3.12×10^{-6}
C	2.34×10^{-5}	D	2.34×10^{-4}
E	3.12×10^{-9}	F	7.80×10^{-6}

- 23** Solve the equation by dividing scientific notation numbers

$$\frac{(9 \times 10^7)}{(1 \times 10^3)}$$

A	9×10^4	B	3.6×10^6
C	3.6×10^2	D	2.7×10^3
E	9×10^3	F	2.7×10^4

- 24** Solve the equation by dividing scientific notation numbers

$$\frac{(8 \times 10^7)}{(4 \times 10^4)}$$

A	2×10^3	B	2×10^0
C	6×10^3	D	6×10^0
E	6×10^{-1}	F	6×10^1



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25 Solve the equation by dividing scientific notation numbers

$$\frac{(1.2 \times 10^5)}{(2 \times 10^1)}$$

A	2.4×10^3	B	6×10^4
C	6×10^3	D	6×10^1
E	2.4×10^6	F	6×10^5

26 Solve the equation by dividing scientific notation numbers

$$\frac{(5.04 \times 10^3)}{(2.1 \times 10^2)}$$

A	2.4×10^{-2}	B	7.2×10^{-2}
C	2.4×10^1	D	9.6×10^0
E	2.4×10^{-1}	F	9.6×10^{-2}

27 Solve the equation by dividing scientific notation numbers

$$\frac{(8.25 \times 10^7)}{(1.1 \times 10^3)}$$

A	7.5×10^4	B	2.25×10^3
C	3×10^7	D	2.25×10^2
E	7.5×10^1	F	3×10^4

28 Divide these numbers

$$\mathbf{0.0001 / 0.1}$$

A	0.001	B	0	C	0.01
D	-0.1	E	1	F	0.1

29 Divide these numbers

$$600 \div 0.1$$

A	6,000,000	B	6
C	60	D	60,000
E	600	F	6,000

30 Divide these numbers

$$\frac{500}{0.1}$$

A	500	B	5
C	5,000	D	500,000
E	50	F	50,000

31 Divide these numbers

$$\mathbf{1,200 / 0.006}$$

A	0	B	200,000
C	19,999,999.8	D	178,000
E	-0.1	F	2,000,000

32 Solve the equation by dividing powers of ten

$$\frac{10^{-2}}{10^{-2}}$$

A	10^{-3}	B	10^2
C	10^1	D	10^{-2}
E	10^0	F	10^{-1}



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33 Solve the equation by dividing numbers that are almost in scientific notation

$$\frac{(7 \times 0.0001)}{(1 \times 0.001)}$$

- | | |
|--------------------|---------------------|
| A 7×0.1 | B 7×0.0001 |
| C 7×10 | D 7×0.01 |
| E 7×0.001 | F 7×1 |

34 Solve the equation by dividing numbers that are almost in scientific notation

- | |
|---------------------|
| A 1×0.1 |
| B 1×0.01 |
| C 1×0.001 |
| D 1×0.0001 |

35 Solve the equation by dividing scientific notation numbers

$$\frac{(8 \times 10^{-2})}{(4 \times 10^{-1})}$$

- | | |
|----------------------|----------------------|
| A 6×10^1 | B 6×10^0 |
| C 6×10^{-2} | D 2×10^{-1} |
| E 8×10^{-1} | F 2×10^{-2} |

36 Solve the equation by dividing numbers that are almost in scientific notation

- | |
|---------------------|
| A 1×0.0001 |
| B 1×0.001 |

37 Solve the equation by dividing scientific notation numbers

$$\frac{(9 \times 10^{-5})}{(9 \times 10^{-2})}$$

- | | |
|----------------------|----------------------|
| A 3×10^{-2} | B 4×10^{-5} |
| C 1×10^{-2} | D 1×10^{-5} |
| E 1×10^{-3} | F 3×10^{-6} |

38 Solve the equation by dividing scientific notation numbers

$$\frac{(7 \times 10^{-8})}{(1 \times 10^{-4})}$$

- | | |
|------------------------|------------------------|
| A 7×10^{-4} | B 2.1×10^{-1} |
| C 2.8×10^{-3} | D 2.8×10^{-2} |
| E 7×10^{-2} | F 7×10^{-5} |

39 Solve the equation by dividing scientific notation numbers

$$\frac{(2.4 \times 10^{-6})}{(6 \times 10^{-2})}$$

- | | |
|------------------------|------------------------|
| A 4×10^{-8} | B 1.6×10^{-4} |
| C 1.6×10^{-2} | D 4×10^{-5} |
| E 1.6×10^{-7} | F 1.6×10^{-5} |

40 Solve the equation by dividing scientific notation numbers

$$\frac{(6.82 \times 10^{-3})}{(1.1 \times 10^{-2})}$$

- | | |
|-------------------------|-------------------------|
| A 6.2×10^{-4} | B 1.86×10^{-3} |
| C 6.2×10^{-1} | D 1.86×10^1 |
| E 2.48×10^{-2} | F 1.86×10^{-1} |



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41 Solve the equation by dividing scientific notation numbers

$$\frac{(7.59 \times 10^{-6})}{(3.3 \times 10^{-4})}$$

A 9.2×10^{-5}

B 9.2×10^{-6}

C 6.9×10^{-1}

D 6.9×10^{-5}

E 2.3×10^{-2}

F 2.3×10^0

42 Divide these numbers

$0.000001 / 0.0001$

A 0

B -200

C 0.01

D 1

E 0.1

43 Divide these numbers

$0.1 / 0.05$

A 2.22

B 0.2

C 2

D 200

E 20

F 1.92

44 Solve the equation by dividing powers of ten

$$\frac{10^{-5}}{10^{-2}}$$

A 10^{-1}

B 10^{-4}

C 10^{-2}

D 10^{-6}

E 10^{-3}

F 10^{-5}

45 Solve the equation by dividing powers of ten

$$\frac{10^{-7}}{10^{-4}}$$

A 10^{-1}

B 10^{-4}

C 10^{-2}

D 10^{-5}

E 10^{-3}

F 10^{-6}

46 Multiply these numbers

100×100

A 100

B 10,000

C 100,000

47 Multiply these numbers

$200 \times 6,000$

A 1,200,000

B 12,000,000

C 120,000,000

D 12,000

E 120,000

48 Solve the equation by multiplying powers of ten

$$10^2 \times 10^2$$

A 10^3

B 10^4

C 10^5

D 10^6

E 10^2

F 10^1