Task card 1 Multiplying Decimals by Exponents...

$2 \times 10^{-2} = ___$

Task card 2 Multiplying Decimals by Exponents...

$(0.5)^2 = ___$

Task card 3 Multiplying Decimals by Exponents...

$(1 \times 10^3) \times (3 \times 10^3) = ___$ (scientific notation)

Task card 4 Multiplying Decimals by Exponents...

$0.035 \times 10^2 =$

___

Task card 5 Multiplying Decimals by Exponents...

$5 \times 10^n = 500.$

What is n?

Task card 6 Multiplying Decimals by Exponents...

$(0.5)^2 \times 10^4 =$

___

Task card 7 Multiplying Decimals by Exponents...

$0.25 \times 4 \times 10^2$

$= ___$

Task card 8 Multiplying Decimals by Exponents...

Write 9000 in scientific notation.

Task card 9 Multiplying Decimals by Exponents...

$8.6 \times 10^{-3} = ___$

Task card 10 Multiplying Decimals by Exponents...

$(2 \times 10^2) \times (4 \times 10^2$ $) = ___$ (scientific notation)

Task card 11 Multiplying Decimals by Exponents...

$0.057 \times 10^4 =$

$___$

Task card 12 Multiplying Decimals by Exponents...

$4 \times 10^n = 4000.$

What is n?

Task card 13 Multiplying Decimals by Exponents...

$(0.2)^2 \times 10^4 =$ ___

Task card 14 Multiplying Decimals by Exponents...

$0.075 \times 8 \times 10^4$ = ___

Task card 15 Multiplying Decimals by Exponents...

Write 30,000 in scientific notation.

Task card 16 Multiplying Decimals by Exponents...

$4.3 \times 10^{-5} =$ ___

Task card 17 Multiplying Decimals by Exponents...

$(0.3)^3 =$ ___

Task card 18 Multiplying Decimals by Exponents...

$(1 \times 10^3) \times (7 \times 10^{-3})$ = ___ (scientific notation)

Task card 19 Multiplying Decimals by Exponents...

$0.0258 \times 10^2 =$ ___

Task card 20 Multiplying Decimals by Exponents...

$3 \times 10^n =$ 30,000. What is n?

Task card 21 Multiplying Decimals by Exponents...

$(0.2)^2 \times 10^6 =$ ___

Task card 22 Multiplying Decimals by Exponents...

$0.0025 \times 3 \times 10^2 =$ ___

Task card 23 Multiplying Decimals by Exponents...

Write 2,300,000 in scientific notation.

Task card 24 Multiplying Decimals by Exponents...

$5 \times 10^{-3} =$ ___

Multiplying Decimals by Exponents (Hard) Task Cards

Recording sheet · Grade 8 · Solve each problem. Write answers as decimals or in scientific notation where indicated. Show no commas.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Multiplying Decimals by Exponents (Hard) Task Cards: Answer Key

Grade 8 · Easy

The answers online

1. 0.02	**2.** 0.25	**3.** 3×10^{6}
4. 3.5	**5.** 2	**6.** 2500
7. 100	**8.** 9×10^{3}	**9.** 0.0086
10. 8×10^{4}	**11.** 570	**12.** 3
13. 400	**14.** 6000	**15.** 3×10^{4}
16. 0.000 043	**17.** 0.027	**18.** 7×10^{0}
19. 2.58	**20.** 4	**21.** 40000
22. 0.75	**23.** 2.3×10^{6}	**24.** 0.005