Task card 1 Multiplying Decimals by Exponents...

$6.86 \times 10^{-5} =$ ___

Task card 2 Multiplying Decimals by Exponents...

$(0.4)^2 =$ ___

Task card 3 Multiplying Decimals by Exponents...

$(3.5 \times 10^{-4}) \times (9.1 \times 10^5) =$ ___ (scientific notation)

Task card 4 Multiplying Decimals by Exponents...

$0.0328 \times 10^3 =$ ___

Task card 5 Multiplying Decimals by Exponents...

$6 \times 10^n = 600{,}000$. What is n?

Task card 6 Multiplying Decimals by Exponents...

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

Task card 7 Multiplying Decimals by Exponents...

$0.05 \times 6 \times 10^4$

$= ___$

Task card 8 Multiplying Decimals by Exponents...

Write 8400 in scientific notation.

Task card 9 Multiplying Decimals by Exponents...

$9.17 \times 10^{-2} =$

$___$

Task card 10 Multiplying Decimals by Exponents...

$(0.03)^3 = ___$

Task card 11 Multiplying Decimals by Exponents...

$(4.5 \times 10^{-4}) \times (1.2 \times 10^6) = ___$ (scientific notation)

Task card 12 Multiplying Decimals by Exponents...

$0.000\,472 \times 10^6$

$= ___$

Task card 13 Multiplying Decimals by Exponents...

$4 \times 10^{n} = 400.$

What is n?

Task card 14 Multiplying Decimals by Exponents...

$(0.6)^{3} \times 10^{6} =$

___

Task card 15 Multiplying Decimals by Exponents...

$0.015 \times 0.8 \times 10^{7} =$ ___

Task card 16 Multiplying Decimals by Exponents...

Write 0.000 000 73 in scientific notation.

Task card 17 Multiplying Decimals by Exponents...

$6.228 \times 10^{-2} =$

___

Task card 18 Multiplying Decimals by Exponents...

$(0.05)^{2} =$ ___

Task card 19 Multiplying Decimals by Exponents...

$(4.4 \times 10^{-5}) \times (8 \times 10^{2}) =$ ___ (scientific notation)

Task card 20 Multiplying Decimals by Exponents...

$0.000\,965\,2 \times 10^{5} =$ ___

Task card 21 Multiplying Decimals by Exponents...

$7 \times 10^{n} = 0.000\,000\,07$. What is n?

Task card 22 Multiplying Decimals by Exponents...

$(0.4)^{2} \times 10^{8} =$ ___

Task card 23 Multiplying Decimals by Exponents...

$0.075 \times 0.2 \times 10^{2} =$ ___

Task card 24 Multiplying Decimals by Exponents...

Write 0.000 009 88 in scientific notation.

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 · Medium

The answers online

1. 0.000 068 6	**2.** 0.16	**3.** 3.185×10^{2}
4. 32.8	**5.** 5	**6.** 2500
7. 3000	**8.** 8.4×10^{3}	**9.** 0.0917
10. 0.000027	**11.** 5.4×10^{2}	**12.** 472
13. 2	**14.** 216000	**15.** 120000
16. 7.3×10^{-7}	**17.** 0.062 28	**18.** 0.0025
19. 3.52×10^{-2}	**20.** 96.52	**21.** -8
22. 16000000	**23.** 1.5	**24.** 9.88×10^{-6}