Task card 1 Multiplying Decimals by Exponents...

$6.604 \times 10^{-5} =$

___

Task card 2 Multiplying Decimals by Exponents...

$(0.02)^4 =$ ___

Task card 3 Multiplying Decimals by Exponents...

$(9 \times 10^2) \times (4 \times 10^3)$ = ___ (scientific notation)

Task card 4 Multiplying Decimals by Exponents...

$0.006\,333 \times 10^4$ = ___

Task card 5 Multiplying Decimals by Exponents...

$1 \times 10^n = 10{,}000{,}000.$

What is n?

Task card 6 Multiplying Decimals by Exponents...

$(0.2)^2 \times 10^8 =$

___

Task card 7 Multiplying Decimals by Exponents...

$0.08 \times 0.4 \times 10^4 = ___$

Task card 8 Multiplying Decimals by Exponents...

Write 389,000,000 in scientific notation.

Task card 9 Multiplying Decimals by Exponents...

$1.057 \times 10^{-6} = ___$

Task card 10 Multiplying Decimals by Exponents...

$(0.8)^3 = ___$

Task card 11 Multiplying Decimals by Exponents...

$(3.2 \times 10^6) \times (4.7 \times 10^{-2}) = ___$ (scientific notation)

Task card 12 Multiplying Decimals by Exponents...

$0.054\,81 \times 10^6 = ___$

Task card 13 Multiplying Decimals by Exponents...

$1 \times 10^{n} =$ 0.0001. What is n?

Task card 14 Multiplying Decimals by Exponents...

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

Task card 15 Multiplying Decimals by Exponents...

$0.0075 \times 0.2 \times 10^{6} =$ ___

Task card 16 Multiplying Decimals by Exponents...

Write 60,900 in scientific notation.

Task card 17 Multiplying Decimals by Exponents...

$5.691 \times 10^{-3} =$ ___

Task card 18 Multiplying Decimals by Exponents...

$(0.07)^{3} =$ ___

Task card 19 Multiplying Decimals by Exponents...

$(1 \times 10^{-4}) \times (2.9 \times 10^{-3}) =$ ___ (scientific notation)

Task card 20 Multiplying Decimals by Exponents...

$0.027\,92 \times 10^{2} =$ ___

Task card 21 Multiplying Decimals by Exponents...

$1 \times 10^{n} = 0.000\,001$. What is n?

Task card 22 Multiplying Decimals by Exponents...

$(0.4)^{2} \times 10^{6} =$ ___

Task card 23 Multiplying Decimals by Exponents...

$0.005 \times 0.4 \times 10^{4} =$ ___

Task card 24 Multiplying Decimals by Exponents...

Write 0.002 58 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 · Hard

The answers online

1. 0.000 066 04	**2.** 0.00000016	**3.** 3.6×10^{6}
4. 63.33	**5.** 7	**6.** 4000000
7. 320	**8.** 3.89×10^{8}	**9.** 0.000 001 057
10. 0.512	**11.** 1.504×10^{5}	**12.** 54,810
13. -4	**14.** 400	**15.** 1500
16. 6.09×10^{4}	**17.** 0.005 691	**18.** 0.000343
19. 2.9×10^{-7}	**20.** 2.792	**21.** -6
22. 160000	**23.** 20	**24.** 2.58×10^{-3}