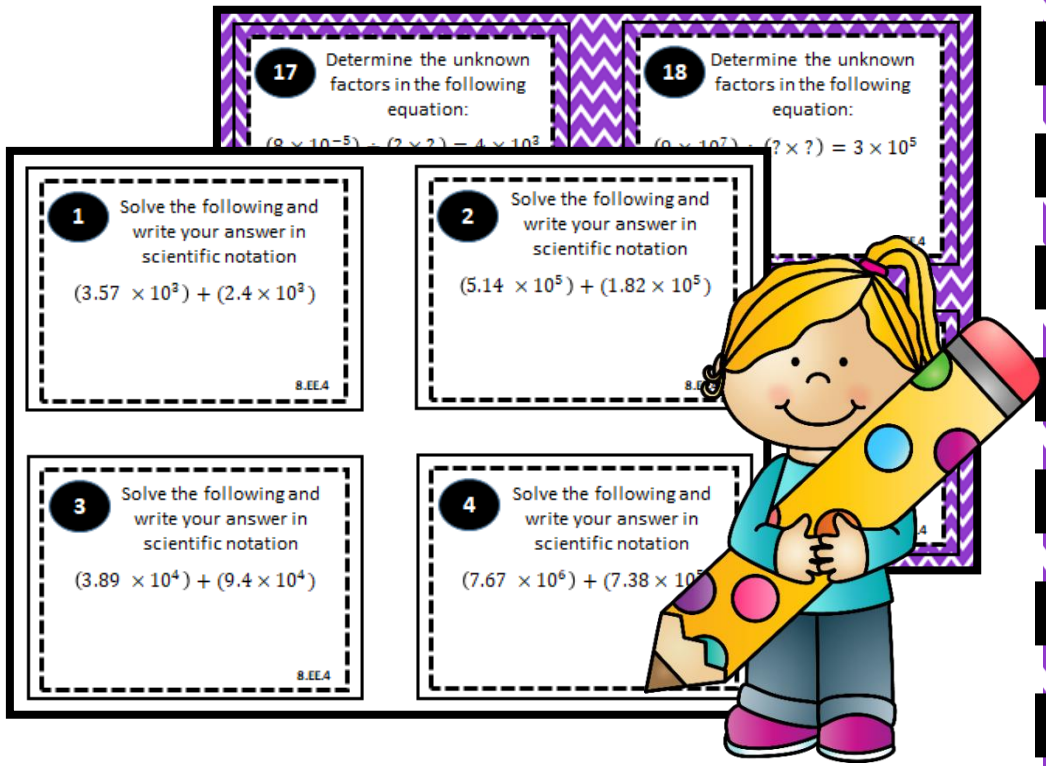
Expressions & Equations
Task Cards 8.EE.4

20 Task Cards, Recording Sheet, Answer Sheet

8.EE.4

Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use scientific notation and choose units of appropriate size for measurements of very large or very small quantities (e.g., use millimeters per year for seafloor spreading). Interpret scientific notation that has been generated by technology



Created by:
Math in the Midwest

8.EE.4

Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use scientific notation and choose units of appropriate size for measurements of very large or very small quantities (e.g., use millimeters per year for seafloor spreading). Interpret scientific notation that has been generated by technology

1

Solve the following and write your answer in scientific notation

$(3.57 \times 10^3) + (2.4 \times 10^3)$

8.EE.4

2

Solve the following and write your answer in scientific notation

$(5.14 \times 10^5) + (1.82 \times 10^5)$

8.EE.4

3

Solve the following and write your answer in scientific notation

$(3.89 \times 10^4) + (9.4 \times 10^4)$

8.EE.4

4

Solve the following and write your answer in scientific notation

$(7.67 \times 10^6) + (7.38 \times 10^5)$

8.EE.4

5

Solve the following and write your answer in scientific notation

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

8.EE.4

6

Solve the following and write your answer in scientific notation

$(5.89 \times 10^3) - (2.4 \times 10^3)$

8.EE.4

7

Solve the following and write your answer in scientific notation

$(9.65 \times 10^5) - (1.8 \times 10^3)$

8.EE.4

8

Solve the following and write your answer in scientific notation

$(8 \times 10^8) - (2.65 \times 10^7)$

8.EE.4

9

Solve the following and write your answer in scientific notation

$(2.5 \times 10^5)(3.1 \times 10^3)$

8.EE.4

10

Solve the following and write your answer in scientific notation

$(9 \times 10^5)(2 \times 10^4)$

8.EE.4

11

Solve the following and write your answer in scientific notation

$(5 \times 10^3)(1.8 \times 10^2)$

8.EE.4

12

Solve the following and write your answer in scientific notation

$(7.36 \times 10^8)(3.4 \times 10^3)$

8.EE.4

13

Solve the following and write your answer in scientific notation

$(8 \times 10^{-5}) \div (2.5 \times 10^{-8})$

8.EE.4

14

Solve the following and write your answer in scientific notation

$(7.5 \times 10^{8}) \div (5 \times 10^{2})$

8.EE.4

15

Solve the following and write your answer in scientific notation

$(10 \times 10^{6}) \div (2 \times 10^{-3})$

8.EE.4

16

Solve the following and write your answer in scientific notation

$(9 \times 10^{-5}) \div (3.6 \times 10^{-12})$

8.EE.4

17

Determine the unknown factors in the following equation:

$$(8 \times 10^{-5}) \div (? \times ?) = 4 \times 10^{3}$$

8.EE.4

18

Determine the unknown factors in the following equation:

$$(9 \times 10^{7}) \div (? \times ?) = 3 \times 10^{5}$$

8.EE.4

19

Determine the unknown factors in the following equation:

$$(3 \times 10^{12})(? \times ?) = 9 \times 10^{18}$$

8.EE.4

20

Determine the unknown factors in the following equation:

$$(3 \times 10^{5}) + (? \times ?) = 4.6 \times 10^{5}$$

8.EE.4

21

8.EE.4

22

8.EE.4

23

8.EE.4

24

8.EE.4

1

Solve the following and write your answer in scientific notation

$(3.57 \times 10^3) + (2.4 \times 10^3)$

8.EE.4

2

Solve the following and write your answer in scientific notation

$(5.14 \times 10^5) + (1.82 \times 10^5)$

8.EE.4

3

Solve the following and write your answer in scientific notation

$(3.89 \times 10^4) + (9.4 \times 10^4)$

8.EE.4

4

Solve the following and write your answer in scientific notation

$(7.67 \times 10^6) + (7.38 \times 10^5)$

8.EE.4

5

Solve the following and write your answer in scientific notation

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

8.EE.4

6

Solve the following and write your answer in scientific notation

$(5.89 \times 10^3) - (2.4 \times 10^3)$

8.EE.4

7

Solve the following and write your answer in scientific notation

$(9.65 \times 10^5) - (1.8 \times 10^3)$

8.EE.4

8

Solve the following and write your answer in scientific notation

$(8 \times 10^8) - (2.65 \times 10^7)$

8.EE.4

9

Solve the following and write your answer in scientific notation

$(2.5 \times 10^5)(3.1 \times 10^3)$

8.EE.4

10

Solve the following and write your answer in scientific notation

$(9 \times 10^5)(2 \times 10^4)$

8.EE.4

11

Solve the following and write your answer in scientific notation

$(5 \times 10^3)(1.8 \times 10^2)$

8.EE.4

12

Solve the following and write your answer in scientific notation

$(7.36 \times 10^8)(3.4 \times 10^3)$

8.EE.4

13

Solve the following and write your answer in scientific notation

$(8 \times 10^{-5}) \div (2.5 \times 10^{-8})$

8.EE.4

14

Solve the following and write your answer in scientific notation

$(7.5 \times 10^{8}) \div (5 \times 10^{2})$

8.EE.4

15

Solve the following and write your answer in scientific notation

$(10 \times 10^{6}) \div (2 \times 10^{-3})$

8.EE.4

16

Solve the following and write your answer in scientific notation

$(9 \times 10^{-5}) \div (3.6 \times 10^{-12})$

8.EE.4

17 Determine the unknown factors in the following equation:

$$(8 \times 10^{-5}) \div (? \times ?) = 4 \times 10^{3}$$

8.EE.4

18 Determine the unknown factors in the following equation:

$$(9 \times 10^{7}) \div (? \times ?) = 3 \times 10^{5}$$

8.EE.4

19 Determine the unknown factors in the following equation:

$$(3 \times 10^{12})(? \times ?) = 9 \times 10^{18}$$

8.EE.4

20 Determine the unknown factors in the following equation:

$$(3 \times 10^{5}) + (? \times ?) = 4.6 \times 10^{5}$$

8.EE.4

21

8.EE.4

22

8.EE.4

23

8.EE.4

24

8.EE.4

Name _____ Hour _____

8.EE.4 Recording Sheet

1.	2.	3.
4.	5.	6.
7.	8.	9.

Name _____ Hour _____

10.	11.	12.
13.	14.	15.
16.	17.	18.
19.	20.	

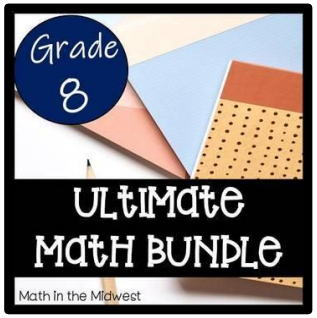
Answer Key

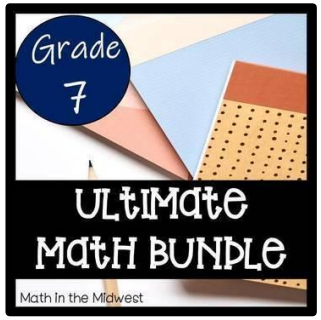
Number	Answer
1	5.97×10^3
2	5.97×10^5
3	1.329×10^5
4	8.408×10^6
5	1×10^4
6	3.49×10^3
7	9.632×10^5
8	7.735×10^8
9	7.75×10^8
10	1.8×10^{10}

Number	Answer
11	9×10^5
12	2.5024×10^{12}
13	3.2×10^3
14	1.5×10^6
15	5×10^3
16	2.5×10^7
17	2×10^{-8}
18	3×10^2
19	3×10^6
20	1.6×10^5

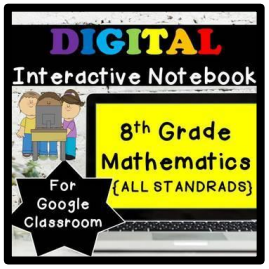
Check out my other products!

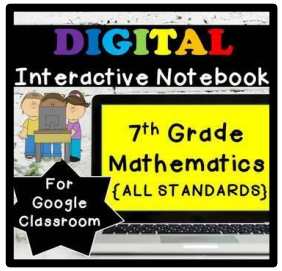
Ultimate Bundles:



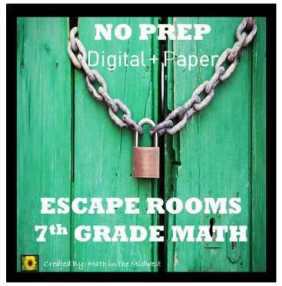


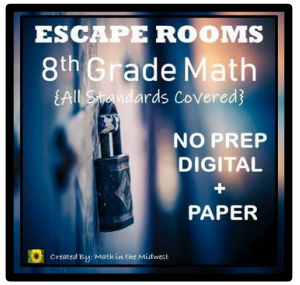
Digital Bundles:

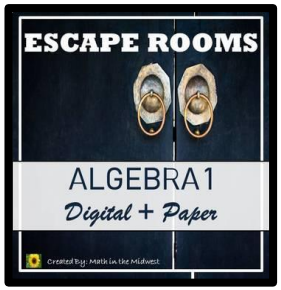




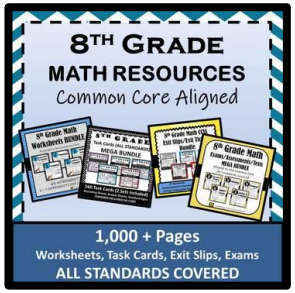
Escape Rooms:

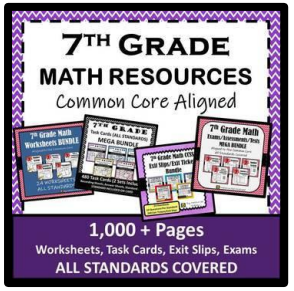






PDF Bundles:





Visit my store & follow me!

https://www.teacherspayteachers.com/Store/Math-In-The-Midwest

Terms of Use

Terms of Use Permission is granted to copy pages specifically for student or teacher use only by the original purchaser or licensee. The reproduction of this product for any other use is strictly prohibited. Copying any part of the product and placing it on the Internet is strictly prohibited. Doing so violates the Digital Millennium Copyright Act (DMCA).

Be the first to know about my new discounts, freebies, and product launches. Click the link below to become a follower!

https://www.teacherspayteachers.com/Sellers-Im-Following/Add/Math-In-The-Midwest

Get TpT Credit on Future Purchases by:

- Leaving feedback on the products you purchase. TpT gives you feedback credits that you use to lower the cost of your future purchases. I truly love hearing what you think about my products so please consider leaving feedback! Thank you ☺

Credit & many thanks to: