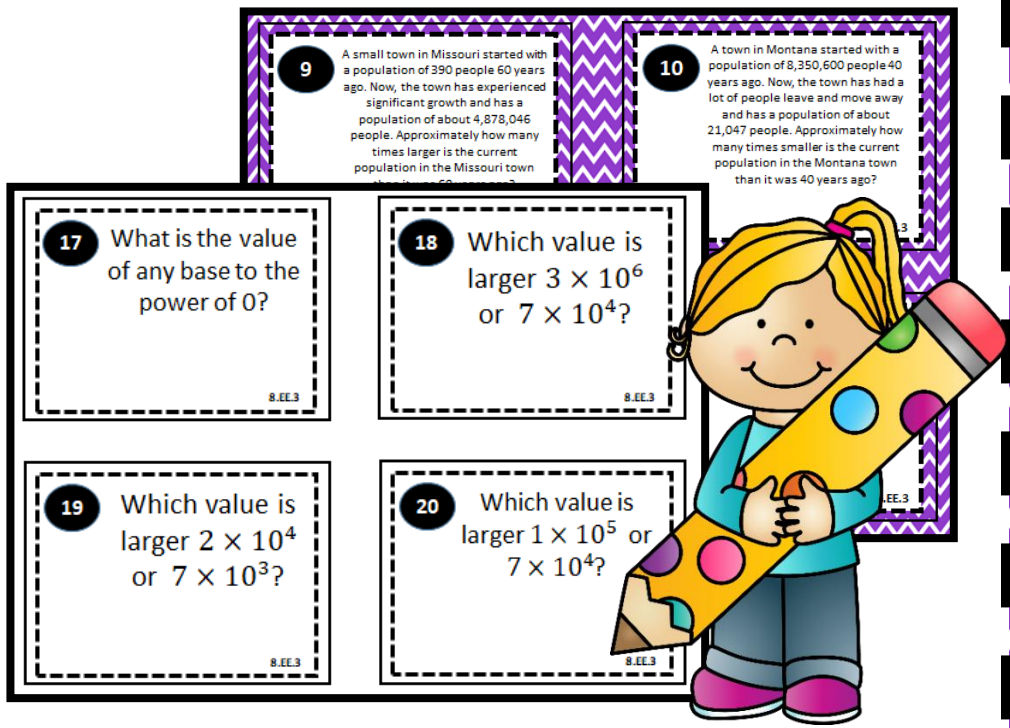
Expressions & Equations Task Cards 8.EE.3

20 Task Cards, Recording Sheet, Answer Sheet

8.EE.3

Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and to express how many times as much one is than the other.



Created by:
Math in the Midwest

8.EE.3

Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and to express how many times as much one is than the other.

1

Write the following number in scientific notation.

5,673,091

8.EE.3

2

Write the following number in scientific notation.

156,932

8.EE.3

3

Write the following number in scientific notation.

.00078

8.EE.3

4

Write the following number in scientific notation.

.65408

8.EE.3

5

Write the following number in standard form:

3.45×10^{-4}

8.EE.3

6

Write the following number in standard form:

7.6×10^{3}

8.EE.3

7

Write the following number in standard form:

5.09×10^{-2}

8.EE.3

8

Write the following number in standard form:

1.7893×10^{8}

8.EE.3

9

A small town in Missouri started with a population of 390 people 60 years ago. Now, the town has experienced significant growth and has a population of about 4,878,046 people. Approximately how many times larger is the current population in the Missouri town than it was 60 years ago?

8.EE.3

10

A town in Montana started with a population of 8,350,600 people 40 years ago. Now, the town has had a lot of people leave and move away and has a population of about 21,047 people. Approximately how many times smaller is the current population in the Montana town than it was 40 years ago?

8.EE.3

11

Approximately 65,409 people took a vacation to a state park 50 years ago. Last year 780,456,888 people vacationed to the same state park. Approximately how many more people visited the park than 50 years ago?

8.EE.3

12

Ten years ago a mall would have on average 789,340 visitors. This year they had an average of 278,600 visitors. Approximately how many visitors have they lost in the last ten years?

8.EE.3

13

Which of the following values is greater than 500 but less than 2,000?

A. 7×10^4

B. 4×10^2

C. 8×10^3

D. 6×10^2

8.EE.3

14

Which of the following values is greater than 200 but less than 500?

A. 7×10^4

B. 4×10^2

C. 8×10^3

D. 6×10^2

8.EE.3

15

Which of the following values is greater than 750 but less than 1,200?

A. 8.3×10^3

B. 7.9×10^2

C. 1×10^{-3}

D. 9.4×10^1

8.EE.3

16

Which of the following values is greater than .35 but less than .95?

A. 8.3×10^{-3}

B. 3.9×10^{-2}

C. 5.2×10^{-1}

D. 2.1×10^{-1}

8.EE.3

17 What is the value of any base to the power of 0?

8.EE.3

18 Which value is larger 3×10^6 or 7×10^4?

8.EE.3

19 Which value is larger 2×10^4 or 7×10^3?

8.EE.3

20 Which value is larger 1×10^5 or 7×10^4?

8.EE.3

21

8.EE.3

22

8.EE.3

23

8.EE.3

24

8.EE.3

1

Write the following number in scientific notation.

5,673,091

8.EE.3

2

Write the following number in scientific notation.

156,932

8.EE.3

3

Write the following number in scientific notation.

.00078

8.EE.3

4

Write the following number in scientific notation.

.65408

8.EE.3

5

Write the following number in standard form:

3.45×10^{-4}

8.EE.3

6

Write the following number in standard form:

7.6×10^{3}

8.EE.3

7

Write the following number in standard form:

5.09×10^{-2}

8.EE.3

8

Write the following number in standard form:

1.7893×10^{8}

8.EE.3

9

A small town in Missouri started with a population of 390 people 60 years ago. Now, the town has experienced significant growth and has a population of about 4,878,046 people. Approximately how many times larger is the current population in the Missouri town than it was 60 years ago?

8.EE.3

10

A town in Montana started with a population of 8,350,600 people 40 years ago. Now, the town has had a lot of people leave and move away and has a population of about 21,047 people. Approximately how many times smaller is the current population in the Montana town than it was 40 years ago?

8.EE.3

11

Approximately 65,409 people took a vacation to a state park 50 years ago. Last year 780,456,888 people vacationed to the same state park. Approximately how many more people visited the park than 50 years ago?

8.EE.3

12

Ten years ago a mall would have on average 789,340 visitors. This year they had an average of 278,600 visitors. Approximately how many visitors have they lost in the last ten years?

8.EE.3

13 Which of the following values is greater than 500 but less than 2,000?

A. 7×10^4 C. 8×10^3

B. 4×10^2 D. 6×10^2

8.EE.3

14 Which of the following values is greater than 200 but less than 500?

A. 7×10^4 C. 8×10^3

B. 4×10^2 D. 6×10^2

8.EE.3

15 Which of the following values is greater than 750 but less than 1,200?

A. 8.3×10^3 C. 1×10^{-3}

B. 7.9×10^2 D. 9.4×10^1

8.EE.3

16 Which of the following values is greater than .35 but less than .95?

A. 8.3×10^{-3} C. 5.2×10^{-1}

B. 3.9×10^{-2} D. 2.1×10^{-1}

8.EE.3

17 What is the value of any base to the power of 0?

8.EE.3

18 Which value is larger 3×10^6 or 7×10^4?

8.EE.3

19 Which value is larger 2×10^4 or 7×10^3?

8.EE.3

20 Which value is larger 1×10^5 or 7×10^4?

8.EE.3

21

8.EE.3

22

8.EE.3

23

8.EE.3

24

8.EE.3

Name _____ Hour _____

8.EE.3 Recording Sheet

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

Name _____ Hour _____

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

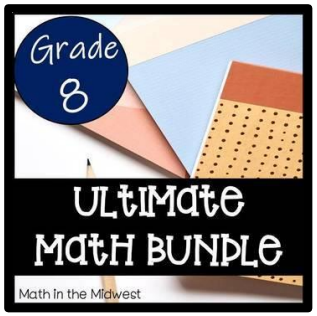
Answer Key

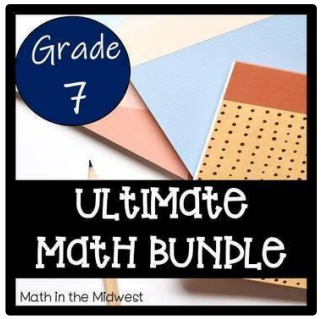
Number	Answer
1	5.673091×10^6
2	1.56932×10^5
3	7.8×10^{-4}
4	6.5408×10^{-1}
5	$.0000345$
6	$7,600$
7	$.0509$
8	$1,789,300,000$
9	1.25×10^4
10	3.95×10^2

Number	Answer
11	1.2×10^4
12	5.1×10^5
13	C
14	B
15	B
16	C
17	1 (ONE)
18	3×10^6
19	2×10^4
20	1×10^5

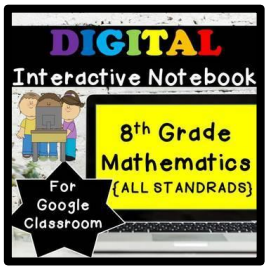
Check out my other products!

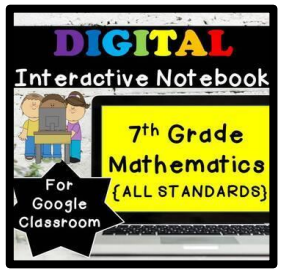
Ultimate Bundles:



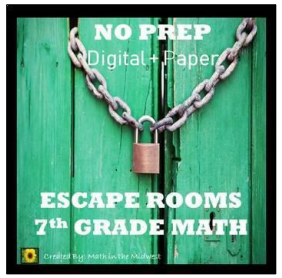


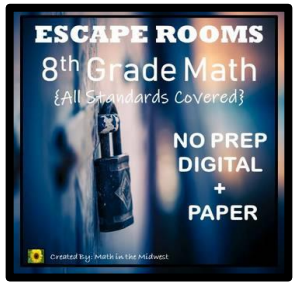
Digital Bundles:

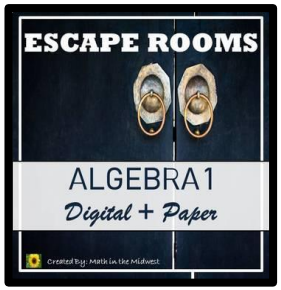




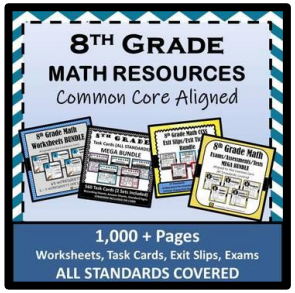
Escape Rooms:

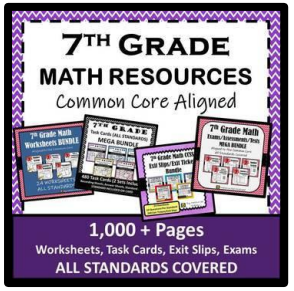






PDF Bundles:





Visit my store & follow me!

© Math in the Midwest 2020

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).

© Math in the Midwest 2020

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: