

# PLACE VALUE

## TEKS Task Cards

**1** PLACE VALUE

Alex wrote the value of his mystery number below.

$$(5 \times 100,000) + (3 \times 1,000) + (7 \times 10) + (2 \times 1)$$

What is Alex's mystery number written in standard form?



**2** PLACE VALUE

Felicity wrote the value of her mystery number below.

**3** PLACE VALUE

**4** PLACE VALUE

Javier Sotomayor of Cuba set the record for the high jump in 1993.

**5** PLACE VALUE

The track team ran laps around the track, which is 0.25 of a mile long. How is 0.25 written in standard form?



**6** PLACE VALUE

Approximately 0.99 of the population of the United States lives in the United States.

**7** PLACE VALUE

It rained 0.09 of an inch in the month of May.

**8** PLACE VALUE

Alexis filled a beaker with 0.005 of a liter of liquid.



PLACE VALUE

NAME: Victoria

|                                                                                                                                                                                                                                                          |                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p><b>1</b> 503,072</p> <p><b>3</b> <math>(1 \times 1,000,000) + (7 \times 100,000) + (3 \times 10,000)</math></p> <p><b>5</b> <math>0.25 = \frac{25}{100}</math></p> <p><b>7</b> <math>0.09 = \frac{9}{100}</math></p> <p><b>9</b></p> <p><b>11</b></p> | <p><b>2</b> 72,090.6</p> <p><b>4</b> <math>(2 \times 1) + (4 \times 0.1) +</math></p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|



**PLACE VALUE**

review

TEKS: 4.2A, 4.2B, 4.2C, 4.2D, 4.2E

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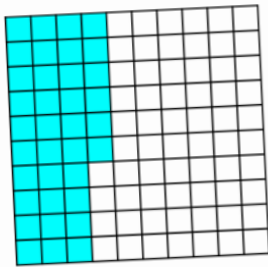
**4th**  
**GRADE**

# Fun & Engaging Practice

13

PLACE VALUE

What decimal does the model below represent?



14

PLACE VALUE

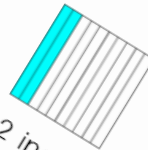
For the amount of money pictured below, what digit is in the hundredths place?



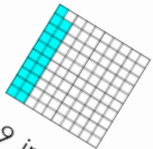
15

PLACE VALUE

Compare the lengths of the ants below. Which symbol belongs in the circle:  $<$ ,  $>$ , or  $=$ ?



0.2 inches



0.19 inches



16

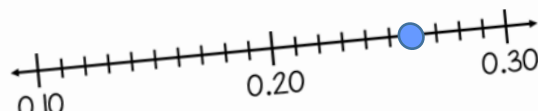
PLACE VALUE

Order the values shown in the models below from greatest to least.

17

PLACE VALUE

What is the value of the point labeled on the number line below?



# 24 TEKS-aligned Task Cards

in color and blackline versions

21

PLACE VALUE

Use "ten times" or "one-tenth of" to complete the following statement.

The value of the underlined digit is \_\_\_\_\_ the value of the \_\_\_\_\_ digit.



453.

21

PLACE VALUE

Use "ten times" or "one-tenth of" to complete the following statement.

The value of the underlined digit is \_\_\_\_\_ the value of the circled digit.



453.32

22

Use "ten times" or "one-tenth of" to complete the following statement.

22

PLACE VALUE

Use "ten times" or "one-tenth of" to complete the following statement.

The value of the 2 in the \_\_\_\_\_ place is \_\_\_\_\_ the 2 in the hundredth place.

45,220

23

PLACE VALUE

The earth's moon is 238,900 miles from earth. How is this distance written in expanded notation?



23

The earth's moon is 238,900 miles from earth. How is this distance written in expanded notation?



24

PLACE VALUE

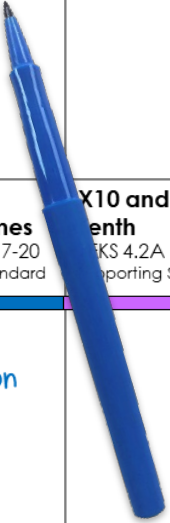
Scientists estimate that it takes 1,000 years for 0.04 inch of dust to settle on the moon. How can you write this amount of dust as a fraction of an inch?

# Data Made Easy

Make student reteach groups by standard while you are grading with the color coded key

| <div>  <b>PLACE VALUE</b> </div> <div> <i>task cards</i><br/> <b>RETEACH GROUPS</b> </div> <div>  </div> |                                                                          |                                                                 |                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------|
| Expanded Notation<br>TEKS 4.2B #1-4, 23<br>Readiness Standard                                                                                                                                                                                                              | Relate Decimals to Fractions<br>TEKS 4.2G #5-8, 24<br>Readiness Standard | Compare Whole Numbers<br>TEKS 4.2C #9-10<br>Supporting Standard | Round Whole Numbers<br>TEKS 4.2D #11-12<br>Supporting Standard |
| Valeria<br>Alexander<br>Marcel<br>Bree                                                                                                                                                                                                                                     | Jaekwon<br>Ella<br>Diego                                                 |                                                                 | Valeria<br>Michael                                             |
| Represent Decimals<br>TEKS 4.2E #13-14<br>Supporting Standard                                                                                                                                                                                                              | Compare Decimals<br>TEKS 4.2F #15-16<br>Supporting Standard              | Decimal Number Lines<br>TEKS 4.2H #17-20<br>Supporting Standard | X10 and One Tenth<br>TEKS 4.2A #21-22<br>Supporting Standard   |
| Diego<br>Felicia<br>Jake                                                                                                                                                                                                                                                   | Michael<br>Diego<br>Felicia<br>Jake                                      | Ella<br>Jaekwon<br>Rachel                                       |                                                                |

1. 503,072  
2. 72,090.6  
3.  $(1 \times 1,000,000) + (7 \times 100,000) + (3 \times 10,000)$   
4.  $(2 \times 1) + (4 \times 0.1) + (5 \times 0.01)$   
5. 25/100  
6. 99/100  
7. 9/100  
8. 7/10  
9. Frozen, Nemo, Despicable Me 2, Inside Out, Minions  
10. Makalu, Lhotse, Kangchenjunga, K2, Mt. Everest  
11. 16,000 lbs.  
12. 60.00 ft.  
13. 0.36  
14. 8  
15. >  
16. 0.09, 0.78, 0.8  
17. 0.26  
18. 0.72  
19. 1.9  
20. 1.3  
21. 10 x  
22. one-tenth





# STAAR-formatted Questions

21

PLACE VALUE

Use “ten times” or “one-tenth of” to complete the following statement.

The value of the underlined digit is \_\_\_\_\_ the value of the circled digit.

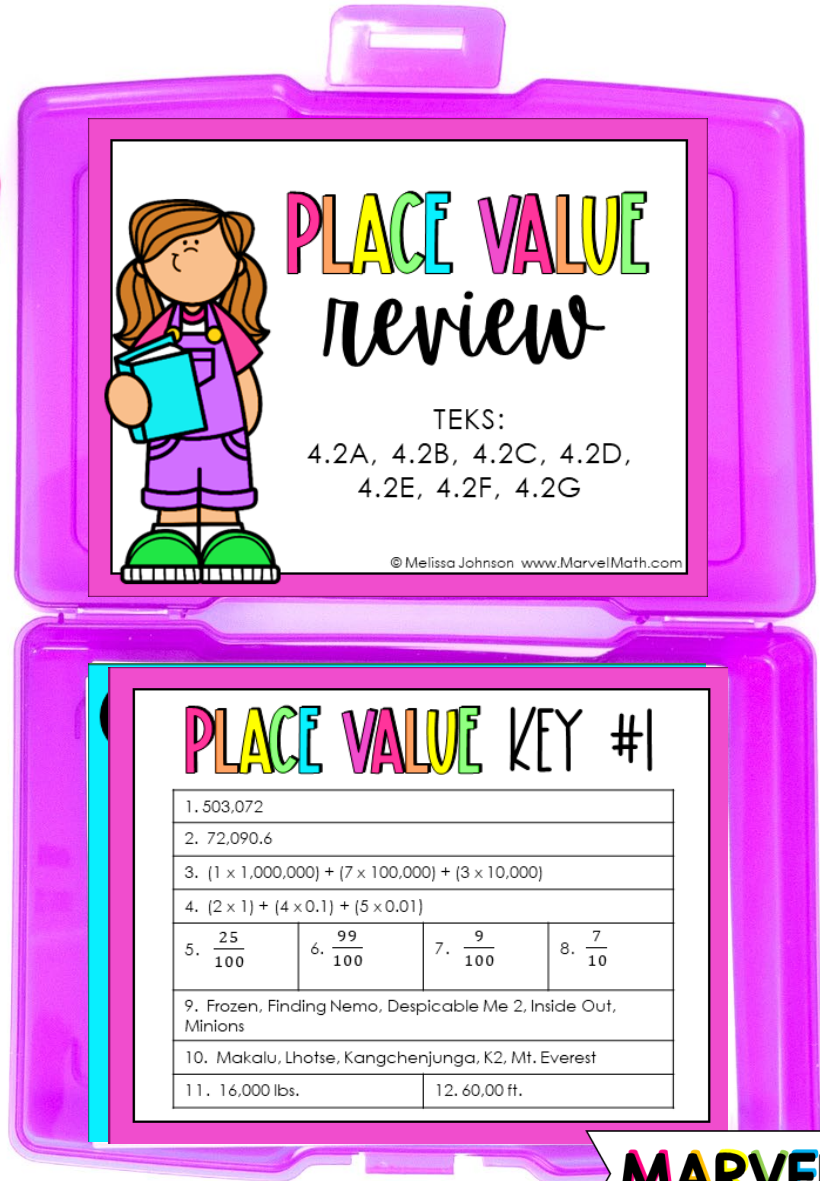


453.32

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# Easy Organization

Task Card  
sized  
**Cover**  
& **Key**  
included



# 2 Recording Sheet Styles



PLACE VALUE review

NAME: \_\_\_\_\_

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



|    |    |
|----|----|
| 13 | 14 |
| 15 | 16 |

NAME: \_\_\_\_\_

PLACE VALUE review

|    |    |
|----|----|
| 1  | 2  |
| 3  | 4  |
| 5  | 6  |
| 7  | 8  |
| 9  | 10 |
| 11 | 12 |

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# Covers All Place Value Topics

- ✓ Whole Numbers
- ✓ Decimals (tenths and hundredths)
- ✓ Expanded Notation
- ✓ Rounding
- ✓ Comparing & Ordering
- ✓ Ten times and one-tenth
- ✓ Place Value Relationships
- ✓ Number Lines

4

PLACE VALUE

Javier Sotomayor of Cuba set the record for the high jump in 1993. He jumped over a bar set 2.45 meters.

5

PLACE VALUE

The track team ran laps around the track, which is 0.25 of a mile long. How is this distance written as a fraction?



6

PLACE VALUE

Approximately 0.99 of the country of Libya is desert. How is this

7

PLACE VALUE

It rained 0.09 of an inch of rain last night. How is this amount written as



8

PLACE VALUE

Alexis filled a beaker to 0.7 of a liter. How is this amount written as a fraction?



9

PLACE VALUE

| Movie           | Profit in Dollars |
|-----------------|-------------------|
| Frozen          | 401,000,000       |
| Minions         | 336,000,000       |
| Despicable Me 2 | 368,000,000       |
| Inside Out      | 352,000,000       |
| Finding Nemo    | 381,000,000       |

List the movies in order from the greatest to least profit.



NAME: Victoria

PLACE VALUE review

1

503,072

2

72,090.6

3

$(1 \times 1,000,000) + (7 \times 100,000) + (3 \times 10,000)$

4

$(2 \times 1) + (4 \times 0.1) + (5 \times 0.01)$

5

$0.25 = \frac{25}{100}$

6

$0.99 = \frac{99}{100}$

7

$0.09 = \frac{9}{100}$

8

$0.07 = \frac{7}{100}$

# About the Author

This resource was created by Melissa Johnson, who has 16 years of k-10 teaching experience and a masters degree in Mathematics Education. Her resources build conceptual understanding, make connections between math topics and engage students in the mathematics they are learning.



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