

## Place Value of Decimals (through thousandths)

1. Lakita went to the plant store with her mother on Saturday. She wanted to help her mother plant some flowers and bushes in the front yard. Lakita measured the height of one of the flowers in centimeters. It was 28.5 centimeters. Three weeks later when Lakita measured again, it was 42.3 centimeters. Which of the following represents the height in centimeters of Lakita's flower after it had grown to 42.3 centimeters?
  - A. Forty-two and three thousandths
  - B. Forty-two and three hundredths
  - C. Forty-two and three tenths
  - D. Four hundred twenty-three
2. How is the number 7,430.085 written in words?
  - A. Seven million, four hundred thirty thousand and two tenths
  - B. Seven thousand, four hundred thirty and eighty-five thousandths
  - C. Seven thousand and eighty-five hundredths
  - D. Seven thousand four hundred eighty-five
3. Which number has a 4 in the thousandths place?
  - A. 57.409
  - B. 56.147
  - C. 51.304
  - D. 50.049
4. What is the value of the 2 in 45.726?
  - A. 2 tenths
  - B. 2 hundredths
  - C. 2 thousandths
  - D. 2 ten-thousandths

5. Jim runs track every day after school. The coach always reminds his runners to drink plenty of water when they finish running. Yesterday after track practice, Jim drank 1.04 liters of water. How is this number written in words?
- A. Ten and four tenths
  - B. One and four tenths
  - C. One and four hundredths
  - D. One and four thousandths
6. Which number has a 5 in the tenths place?
- A. 13.095
  - B. 24.657
  - C. 43.581
  - D. 67.025
7. Jarrod ran next door to see if Ron had some rope he could use to help his dad secure the furniture in the back of his truck. Ron had a piece of rope that was 7.32 meters long. This was just what Jarrod's dad needed. How is this number written in words?
- A. Seventy and thirty-two thousandths
  - B. Seven and thirty-two thousandths
  - C. Seven and thirty-two hundredths
  - D. Seventy-three and two tenths
8. Donna and Chris were studying about the lifecycle of butterflies in science class. They checked out some books from the library to find out more about the butterflies. One of the butterflies they read about had a wingspan of 3.5 cm. How is this number read?
- A. Thirty-five
  - B. Three and five thousandths
  - C. Three and five hundredths
  - D. Three and five tenths

9. Which number is read as one hundred forty-seven and four hundredths?
- A. 147.4
  - B. 147.04
  - C. 147.004
  - D. 147.0004
10. How is the number 304.092 written in words?
- A. Three hundred four and ninety-two thousandths
  - B. Three hundred four and ninety-two hundredths
  - C. Thirty four and ninety-two hundredths
  - D. Three hundred four and ninety-two
11. Which number has a one in the hundredths place?
- A. 98.105
  - B. 97.015
  - C. 97.001
  - D. 96.140
12. The students in Mr. Henry's class were asked to cut out some 2-dimensional shapes out of construction paper. Kristi was asked to cut out rectangles that were 9.5 cm in long and 7 cm wide. How is the length read?
- A. Nine and five hundredths
  - B. Nine and fifteen tenths
  - C. Ninety-five
  - D. Nine and five tenths
13. What is the value of the 7 in 9,301.754?
- A. 7 thousandths
  - B. 7 hundredths
  - C. 7 tenths
  - D. 70

14. Josh's softball team earned an average of 10.83 runs per game. How is this number written in words?
- A. Ten and eighty-three thousandths
  - B. Ten and eighty-three hundredths
  - C. Ten and eighty-three tenths
  - D. Ten and three hundredths
15. Carla went with her mother to the store to buy more meat for the party. Carla's mom was afraid she didn't have enough beef so she bought another 7.12 ounces of beef. How is this amount written?
- A. Seven and one tenth
  - B. Seven and two hundredths
  - C. Seven and twelve hundredths
  - D. Seven and twelve thousandths
16. Which number has an 8 in the thousandths place?
- A. 268,104.357
  - B. 341,709.085
  - C. 137,245.806
  - D. 270,421.098
17. Which number is read as two hundred seven thousand, one hundred forty-five and thirteen thousandths?
- A. 200,145
  - B. 207,145
  - C. 207,145.013
  - D. 207,145.13

18. Which number has a 2 in the tenths place and a 3 in the thousandths place?
- A. 45.239
  - B. 58.203
  - C. 43.025
  - D. 25.003
19. Pat is trying to exercise more. She and a friend walk 1 mile a day. This morning it took them 15.25 minutes to walk a mile. How is this number written in words?
- A. Fifteen and twenty-five hundredths
  - B. Fifteen and twenty-five tenths
  - C. Fifteen and two hundredths
  - D. Fifteen and five hundredths
20. Sue measured the amount of orange juice left in the carton. It was 2.5 cups. How is this number written in words?
- A. Twenty-five
  - B. Two and five tenths
  - C. Two and five hundredths
  - D. Two and five thousandths
21. Mark needed to mail a gift before Friday. He packed it in a box and took it to the post office to be mailed. The weight of his package was 4.45 kilograms. How is the number 4.45 written in words?
- A. Four hundred forty-five
  - B. Four and forty-five tenths
  - C. Four and forty-five hundredths
  - D. Four and forty-five thousandths

22. Mrs. Diaz wrote the following number on a sentence strip. It read, thirty thousand, four hundred twenty-two and four thousandths. She asked Deon to write this number in standard form. He wrote it correctly. How did Deon write this number?
- A. 30,422.004
  - B. 34,022.4
  - C. 30,422.40
  - D. 30,420.04
23. Three students in Mr. Hart's class measured the square bulletin board to figure out the amount of paper needed to cover it. The length of the bulletin board was 3.48 meters. How is this number read?
- A. Three hundred forty-eight
  - B. Thirty-four and eight tenths
  - C. Three and forty-eight hundredths
  - D. Three and forty-eight thousandths
24. During inside recess the students in Mr. Gregory's class played a decimal game. Carl drew a card that had the number ninety-five and twenty-three thousandths on it. He had to match it to the standard number. What number was he looking for?
- A. 952.3
  - B. 95.2
  - C. 95.023
  - D. 95.23
25. Which number has a 5 in the hundredths place and a 1 in the thousandths place?
- A. 489.51
  - B. 971.052
  - C. 496.051
  - D. 390.015

**Place Value of Decimals  
(through thousandths)  
Answer Key**

- |       |       |
|-------|-------|
| 1. C  | 14. B |
| 2. B  | 15. C |
| 3. C  | 16. D |
| 4. B  | 17. C |
| 5. C  | 18. B |
| 6. C  | 19. A |
| 7. C  | 20. B |
| 8. D  | 21. C |
| 9. B  | 22. A |
| 10. A | 23. C |
| 11. B | 24. C |
| 12. D | 25. C |
| 13. C |       |

## Place Value of Decimals (through thousandths)

1. Lakita went to the plant store with her mother on Saturday. She wanted to help her mother plant some flowers and bushes in the front yard. Lakita measured the height of one of the flowers in centimeters. It was 28.5 centimeters. Three weeks later when Lakita measured again, it was 42.3 centimeters. How is 42.3 written in words?
2. How is the number 7,430.085 written in words?
3. In the numeral 51.304, which number is in the thousandths place?
4. What is the value of the 2 in 45.726?
5. Jim runs track every day after school. The coach always reminds his runners to drink plenty of water when they finish running. Yesterday after track practice, Jim drank 1.04 liters of water. How is this number written in words?
6. In the numeral 43.581, which number is in the tenths place?
7. Jarrod ran next door to see if Ron had some rope he could use to help his dad secure the furniture in the back of his truck. Ron had a piece of rope that was 7.32 meters long. This was just what Jarrod's dad needed. How is this number written in words?

8. Donna and Chris were studying about the lifecycle of butterflies in science class. They checked out some books from the library to find out more about the butterflies. One of the butterflies they read about had a wingspan of 3.5 cm. How is this number read?
  
9. Write the number that is read as one hundred forty-seven and four hundredths.
  
10. How is the number 304.092 written in words?
  
11. In the numeral 97.015, which number is in the hundredths place?
  
12. The students in Mr. Henry's class were asked to cut out some 2-dimensional shapes out of construction paper. Kristi was asked to cut out rectangles that were 9.5 cm long and 7 cm wide. Write the length in words.
  
13. What is the value of the 7 in 9,301.754?
  
14. Josh's softball team earned an average of 10.83 runs per game. How is this number written in words?
  
15. Carla went with her mother to the store to buy more meat for the party. Carla's mom was afraid she didn't have enough beef so she bought another 7.12 ounces of beef. How is this amount written in words?
  
16. In the number 270,421.098, which number is in the thousandths place?

17. Write the number that is read as two hundred seven thousand, one hundred forty-five and thirteen thousandths?
18. Write a 5-digit number that has a 2 in the tenths place and a 3 in the thousandths place.
19. Pat is trying to exercise more. She and a friend walk 1 mile a day. This morning it took them 15.25 minutes to walk a mile. How is this number written in words?
20. Sue measured the amount of orange juice left in the carton. It was 2.5 cups. How is this number written in words?
21. Mark needed to mail a gift before Friday. He packed it in a box and took it to the post office to be mailed. The weight of his package was 4.45 kilograms. How is the number 4.45 written in words?
22. Mrs. Diaz wrote the following number on a sentence strip. It read, thirty thousand, four hundred twenty-two and four thousandths. She asked Deon to write this number in standard form. He wrote it correctly. How did Deon write this number?
23. Three students in Mr. Hart's class measured the square bulletin board to figure out the amount of paper needed to cover it. The length of the bulletin board was 3.48 meters. How is this number read?

24. During inside recess the students in Mr. Gregory's class played a decimal game. Carl drew a card that had the number ninety-five and twenty-three thousandths on it. He had to match it to the standard number. What number was he looking for?
25. Write a 6-digit number that has a 5 in the hundredths place and a 1 in the thousandths place.

**Place Value of Decimals  
(through thousandths)  
Answer Key**

1. Forty-two and three tenths
2. Seven thousand, four hundred thirty and eighty-five thousandths
3. 4
4. 2 hundredths
5. One and four hundredths
6. 5
7. Seven and thirty-two hundredths
8. Three and five tenths
9. 147.04
10. Three hundred four and ninety-two thousandths
11. 1
12. Nine and five tenths
13. 7 tenths
14. Ten and eighty-three hundredths
15. Seven and twelve hundredths
16. 8
17. 207,145.013
18. Answers will vary – must have a 2 in the tenths place and a 3 in the thousandths place
19. Fifteen and twenty-five hundredths
20. Two and five tenths
21. Four and forty-five hundredths
22. 30,422.004
23. Three and forty-eight hundredths
24. 95.023
25. Answers will vary – must have a 5 in the hundredths place and a 1 in the thousandths place