



# Math Worksheet for 5th Grade

## Decimal place value intro

Name: \_\_\_\_\_

Due Date: \_\_\_\_\_

Teacher: \_\_\_\_\_

Parent Sign: \_\_\_\_\_

---

1. Write this in decimal form: "four and five tenths."
2. Write this in decimal form: "zero and eight hundredths."
3. What is the value of the digit 3 in 9.36?
4. What is the value of the digit 5 in 5.507?
5. Write 6.4 in words.
6. Write 0.09 in words.
7. Expand 8.72 in place-value form (using tens/hundreds or fraction form, e.g.,  $8 + \frac{7}{10} + \frac{2}{100}$ ).
8. Expand 0.504 in place-value form.
9. Convert the fraction  $\frac{3}{10}$  to a decimal.
10. Convert the fraction  $\frac{47}{100}$  to a decimal.
11. Which is greater: 4.6 or 4.60? Explain by comparing place values.
12. Which is greater: 0.7 or 0.67?
13. Order the following from least to greatest: 2.5, 2.05, 2.50.
14. Put these decimals in order from greatest to least: 3.12, 3.2, 3.02.
15. On a number line from 0 to 1, which point is closer to 0.5: 0.49 or 0.51? Which side of 0.5 is each on?
16. Round 2.46 to the nearest tenth.
17. Round 5.678 to the nearest hundredth.
18. Write the decimal for "eleven and three hundredths."
19. What digit is in the hundredths place in 14.308?
20. What is the value of the digit 2 in 0.204?
21. Fill in the blank:  $7.\underline{\quad}3$  with the blank as the tenths place equals seven and three hundredths if the blank is?
22. If you move the decimal point one place to the right in 0.56, what decimal do you get? (Describe how place value changes.)
23. Write 0.3 as a fraction in lowest terms.
24. Which decimal is equal to  $9 + \frac{6}{100}$ ?
25. True or False:  $1.00 = 1$ . Explain briefly.
26. Two numbers are 4.39 and 4.3. Which one is larger? Explain by comparing place values.
27. Fill in the missing digit:  $3.1\underline{\quad} =$  three and thirteen hundredths. What digit belongs in the blank?
28. A ribbon is 2.4 meters long and another is 2.40 meters long. Are the ribbons different lengths? Explain using place value.
29. Write the decimal form of seventy-six and two tenths.
30. Write the decimal 0.605 in expanded form using place-value fractions.
31. Identify the place value of the digit 1 in 101.12.



# Math Worksheet for 5th Grade

## Decimal place value intro

Name: \_\_\_\_\_

Due Date: \_\_\_\_\_

Teacher: \_\_\_\_\_

Parent Sign: \_\_\_\_\_

---

32. What is the value of the 9 in 0.091?
33. Which is smaller: 0.099 or 0.1? Explain using place-value reasoning.
34. Convert 250 hundredths into a decimal.
35. If you have the decimal 6.789 and you drop the thousandths digit, what decimal do you have now? (Explain which place is removed.)
36. Write this decimal in words: 0.256.
37. Place 4.37 on a simple number line between 4.3 and 4.4 – is it closer to 4.3 or 4.4?
38. Change 12.05 to words.
39. What decimal is ten hundredths?
40. Fill in the blank to make the statement true:  $0.4 = \frac{\quad}{10}$ .
41. A soda bottle holds 1.25 liters. What is the value of the digit 2 in 1.25?
42. Which is greater: 0.250 or 0.25? Explain.
43. Write the decimal for "three and six thousandths."
44. If the hundredths digit of a decimal is 5 and the tenths digit is 2, write one possible decimal with those digits and zero in the thousandths place.
45. True or False: 0.05 is the same as 5 hundredths. Explain.
46. Convert 83 hundredths to a decimal and to words.
47. Fill in the missing decimal to make the statement true:  $5.3 = 5.\underline{\quad}$  (fill two digits) such that the value does not change.
48. Which is larger: 7.099 or 7.1? Explain using place value.
49. A toy costs \$4.70 and another toy costs \$4.7. Are their prices the same? Explain.
50. Explain briefly what the digit immediately to the right of the decimal point represents (name the place and give its value).