

# Decimal Place Value

Grade 5 • MATH • Decimal place value to thousandths • Standards: 5.NBT.A.3

*Write each decimal in expanded form and word form. Remember that the third place after the decimal point is the thousandths place!*

1. Write 0.4 in expanded form and word form.
2. Write 0.52 in expanded form and word form.
3. Write 0.007 in expanded form and word form.
4. Write 0.135 in expanded form and word form.
5. Write 0.208 in expanded form and word form.
6. Write 0.643 in expanded form and word form.
7. Write 1.325 in expanded form and word form.
8. Write 2.056 in expanded form and word form.
9. Write 3.702 in expanded form and word form.
10. Write 5.018 in expanded form and word form.
11. Write 12.409 in expanded form and word form.
12. Write 24.305 in expanded form and word form.
13. Write 36.047 in expanded form and word form.
14. Write 85.601 in expanded form and word form.

## Answer Key — Decimal Place Value

For the teacher / parent. Do not distribute with the worksheet.

1. Expanded form:  $0.4 = (4 \times 0.1)$  or  $(4 \times 1/10)$ ; Word form: four tenths
2. Expanded form:  $0.52 = (5 \times 0.1) + (2 \times 0.01)$  or  $(5 \times 1/10) + (2 \times 1/100)$ ; Word form: fifty-two hundredths
3. Expanded form:  $0.007 = (7 \times 0.001)$  or  $(7 \times 1/1000)$ ; Word form: seven thousandths
4. Expanded form:  $0.135 = (1 \times 0.1) + (3 \times 0.01) + (5 \times 0.001)$  or  $(1 \times 1/10) + (3 \times 1/100) + (5 \times 1/1000)$ ; Word form: one hundred thirty-five thousandths
5. Expanded form:  $0.208 = (2 \times 0.1) + (0 \times 0.01) + (8 \times 0.001)$  or  $(2 \times 1/10) + (8 \times 1/1000)$ ; Word form: two hundred eight thousandths
6. Expanded form:  $0.643 = (6 \times 0.1) + (4 \times 0.01) + (3 \times 0.001)$  or  $(6 \times 1/10) + (4 \times 1/100) + (3 \times 1/1000)$ ; Word form: six hundred forty-three thousandths
7. Expanded form:  $1.325 = (1 \times 1) + (3 \times 0.1) + (2 \times 0.01) + (5 \times 0.001)$  or  $1 + (3 \times 1/10) + (2 \times 1/100) + (5 \times 1/1000)$ ; Word form: one and three hundred twenty-five thousandths
8. Expanded form:  $2.056 = (2 \times 1) + (0 \times 0.1) + (5 \times 0.01) + (6 \times 0.001)$  or  $2 + (5 \times 1/100) + (6 \times 1/1000)$ ; Word form: two and fifty-six thousandths
9. Expanded form:  $3.702 = (3 \times 1) + (7 \times 0.1) + (0 \times 0.01) + (2 \times 0.001)$  or  $3 + (7 \times 1/10) + (2 \times 1/1000)$ ; Word form: three and seven hundred two thousandths
10. Expanded form:  $5.018 = (5 \times 1) + (0 \times 0.1) + (1 \times 0.01) + (8 \times 0.001)$  or  $5 + (1 \times 1/100) + (8 \times 1/1000)$ ; Word form: five and eighteen thousandths
11. Expanded form:  $12.409 = (1 \times 10) + (2 \times 1) + (4 \times 0.1) + (0 \times 0.01) + (9 \times 0.001)$  or  $10 + 2 + (4 \times 1/10) + (9 \times 1/1000)$ ; Word form: twelve and four hundred nine thousandths
12. Expanded form:  $24.305 = (2 \times 10) + (4 \times 1) + (3 \times 0.1) + (0 \times 0.01) + (5 \times 0.001)$  or  $20 + 4 + (3 \times 1/10) + (5 \times 1/1000)$ ; Word form: twenty-four and three hundred five thousandths
13. Expanded form:  $36.047 = (3 \times 10) + (6 \times 1) + (0 \times 0.1) + (4 \times 0.01) + (7 \times 0.001)$  or  $30 + 6 + (4 \times 1/100) + (7 \times 1/1000)$ ; Word form: thirty-six and forty-seven thousandths
14. Expanded form:  $85.601 = (8 \times 10) + (5 \times 1) + (6 \times 0.1) + (0 \times 0.01) + (1 \times 0.001)$  or  $80 + 5 + (6 \times 1/10) + (1 \times 1/1000)$ ; Word form: eighty-five and six hundred one thousandths