

MY Homework

Lesson 6

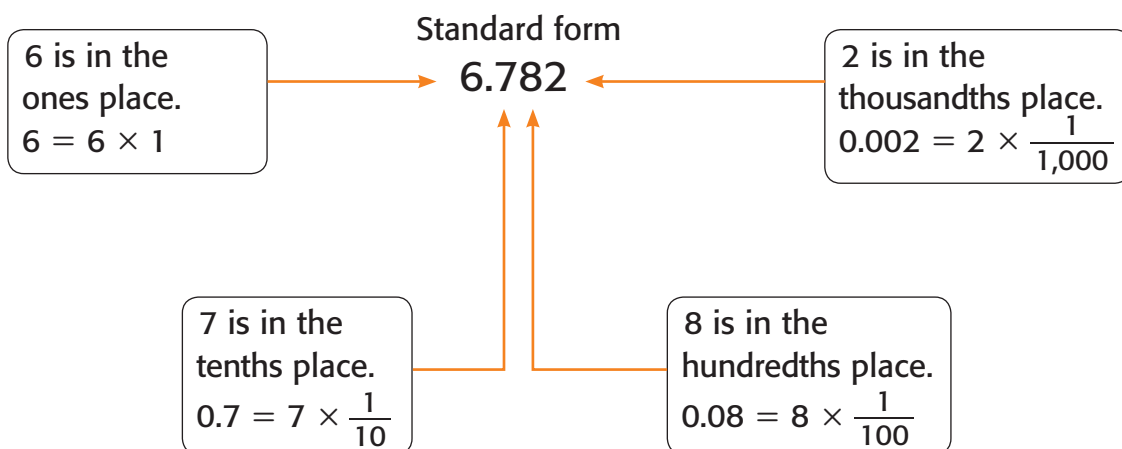
Place Value Through Thousandths

Homework Helper



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Write *six and seven hundred eighty-two thousandths* in standard form and expanded form.



So, in expanded form, $6.782 = 6 \times 1 + \left(7 \times \frac{1}{10}\right) + \left(8 \times \frac{1}{100}\right) + \left(2 \times \frac{1}{1,000}\right)$.

Practice

Name the place of the highlighted digit. Then write the value of the digit.

1. 35.0**5**2

2. 5.6**5**4

3. 4.**9**5

Write each number in standard form.

4. *thirty-four and twelve hundredths*

5. $2 \times 10 + 4 \times 1 + \left(7 \times \frac{1}{10}\right) + \left(4 \times \frac{1}{100}\right) + \left(5 \times \frac{1}{1,000}\right)$

Write each number in expanded form. Then write in word form.

6. 23.5

7. 164.38

8. 209.106



Problem Solving

9. Mathematical PRACTICE 4 Model Math When measuring board footage for some exotic woods, a carpenter must use 1.25 inches for thickness rather than 1 inch in her calculations. Write 1.25 in expanded form.

10. The summer camp Jessica attends is exactly four hundred twenty-three and four tenths miles from her home. Write *four hundred twenty-three and four tenths* in standard form.



Test Practice

11. Which statement is true regarding the value of the digit in the tenths place of the decimal 19.993?

- (A) It is 10 times as great as the value of the digit in the ones place.
- (B) It is 10 times as great as the value of the digit in the thousandths place.
- (C) It is $\frac{1}{10}$ as great as the value of the digit in the ones place.
- (D) It is $\frac{1}{10}$ as great as the value of the digit in the tens place.