ALBERT

Name _____ Date _____

Decimal Place Value Worksheet

Grade 5 · Common Core 5.NBT.A.1

> Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left.

Practice

Builds the skill step by step.

1. In 3.47, what is the value of the digit 4?

2. The 5 in 0.5 is worth how many times as much as the 5 in 0.05?

3. The 2 in 0.02 is worth what fraction of the 2 in 0.2?

   A. 10

   B. $\frac{1}{100}$

   C. $\frac{1}{10}$

   D. 2

4. What is the value of the 6 in 8.06?

5. How many tenths are in 1?

6. How many hundredths are in 0.3?

7. In 4.7, the 7 is worth 0.7. In which number is the 7 worth $\frac{1}{10}$ as much as that?

   A. 7.4

   B. 4.07

   C. 0.7

   D. 70.4

8. What number is 10 times as much as 0.6?

9. What number is $\frac{1}{10}$ of 40?

10. The 9 in 90 is worth how many times as much as the 9 in 9?

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On Level

Grade-level practice.

1. In 52.836, what is the value of the digit 3?

2. In 4.44, the 4 in the ones place is worth how many times as much as the 4 in the hundredths place?

3. What number is $\frac{1}{10}$ of 3.5?

4. Which statement about 6.66 is true?

   A. The 6 in the tenths place is worth $\frac{1}{10}$ as much as the 6 in the hundredths place.

   B. All three 6s are worth the same.

   C. The 6 in the ones place is worth 10 times as much as the 6 in the hundredths place.

   D. The 6 in the tenths place is worth 10 times as much as the 6 in the hundredths place.

5. What number is 10 times as much as 0.072?

6. How many thousandths are in 0.05?

7. Kim says the 3 in 0.3 is worth 10 times as much as the 3 in 3. What is correct?

   A. The 3 in 0.3 is worth $\frac{1}{10}$ as much as the 3 in 3.

   B. Kim is correct.

   C. The 3 in 0.3 is worth 100 times as much.

   D. Both 3s are worth the same.

8. The 8 in 0.8 is worth how many times as much as the 8 in 0.008?

9. What number is $\frac{1}{10}$ of 0.9?

10. A number is 10 times as much as 2.15. What is the number?

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Challenge

Multi-step and word problems that stretch it.

1. The 5 in 500 is worth how many times as much as the 5 in 0.5?

2. What number is $\frac{1}{100}$ of 37?

3. Which is equal to 0.4?

   A. 4 hundredths

   B. 40 tenths

   C. 40 hundredths

   D. 4 thousandths

4. How many hundredths are in 2.5?

5. A ribbon is 3.6 meters long. A second ribbon is $\frac{1}{10}$ as long as the first. A third ribbon is 10 times as long as the second. How long is the third ribbon?

6. Max multiplied 0.45 by 10 and got 0.450. What is the correct product?

   A. 0.450, because you add a zero

   B. 45, because you move two places

   C. 0.045, because each digit moves to the right

   D. 4.5, because each digit moves one place to the left

7. In 7.777, the 7 in the tenths place is worth how many times as much as the 7 in the thousandths place?

8. What number is 10 times as much as $\frac{1}{10}$ of 64?

9. Find the missing number: ___ × 10 = 0.3

10. A dime is worth $0.10. A penny is worth $\frac{1}{10}$ as much as a dime. What is the value of a penny in dollars?