

CHECK IN 5.NR.1

5.NR.1.1

A. Decide if each bold number on the LEFT is 10 or 100 times GREATER than the other bold-faced number on the RIGHT.

1. **25.28** 10 times 100 times

2. **334.12** 10 times 100 times

B. Decide if each bold number on the RIGHT is one tenth or one hundredth times SMALLER than the bold-faced number on the LEFT.

3. **29.59** $\frac{1}{10}$ times $\frac{1}{100}$ times

4. **88.52** $\frac{1}{10}$ times $\frac{1}{100}$ times

5.NR.1.2

C. Multiply or divide each problem below.

1. $94 \times 10 =$ _____ 2. $39 \times 100 =$ _____

3. $44 \times 10 =$ _____ 4. $28 \times 100 =$ _____

5. $98.2 \div 10^2 =$ _____ 6. $67.5 \div 10^2 =$ _____

5.NR.1.1 Multi-digit numbers 10 and one-tenth

Expectations: Explain 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 one-tenth of what it represents in the place to its left.

Learn About It!

Each place in the decimal place value chart is worth 10 times the amount of the place beside it when moving from right to left. A "7" in the tens place is worth 10 times what a "7" in the ones place is worth.

See It!

Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths
1	7	7	.	2	8	

The value of the "7" in the tens place equals 70.

The value of the "7" in the ones place equals 7.

The "7" in the tens place is worth 10 times the "7" in the ones place.

See It!

Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths
5	2	5	.	1	4	

The value of the "5" in the hundreds place equals 500.

The value of the "5" in the ones place equals 5.

The "5" in the hundreds place is worth 100 times (10 x 10) the "5" in the ones place.

5.NR.1.1 Multi-digit numbers 10 and one-tenth

Practice It!

Tell whether the value of the bold-faced digit on the left is **10 times**, **100 times**, or **1,000 times** the value of the bold-faced digit on its right.

1. **565.78**

The value of the "5" in the hundreds place is _____ times the value of the "5" in the ones place.

2. **443.12**

The value of the "4" in the hundreds place is _____ times the value of the "4" in the tens place.

3. **927.93**

The value of the "9" in the hundreds place is _____ times the value of the "9" in the tenths place.

4. **7,123.53**

The value of the "3" in the ones place is _____ times the value of the "3" in the hundredths place.

5.NR.1.1 Multi-digit numbers 10 and one-tenth

See It!

Using multiples of 10 and 100s in word problems

Cesar has a big toy car that weighs **2 pounds**.
How much would **10 toy cars** weigh? _____

Normally, we would put the "2" into the ones place. However, since we are trying to find out the total weight of ten toy cars we place the "2" into the tens column. Then place a "0" in the ones column. Move the "2" into the tens place to show how much ten toy cars would weigh.

hundreds	tens	ones
	2	0

Answer It!

Ten toy cars would weigh 20 pounds.

Explanation: So, take the "2" in the problem and place it in the tens place. The "2" becomes 20 when it is placed in the tens column.

5.NR.1.1 Multi-digit numbers 10 and one-tenth

Practice It!

Fill in each chart below to find the multiples of tens and hundreds.

1. Lucy has a new bicycle that weighs **5 pounds**.
How much would **100 bicycles** weigh? _____

hundreds	tens	ones

Answer It!

One hundred bicycles would weigh _____ pounds.

2. Christine weighs 1 apple that weighs **8 ounces**.
How much would **10 apples** weigh? _____

hundreds	tens	ones

Answer It!

Ten apples would weigh _____ ounces.

3. Deanna's new puppy weighs **4 pounds**. If **10 puppies** weighed the same amount, how much would they all weigh? _____

hundreds	tens	ones

Answer It!

Ten puppies would weigh _____ pounds.

5.NR.1.1 Multi-digit numbers 10 and one-tenth

Learn About It!

Each place in the decimal place value chart is worth one-tenth times the amount of the place beside it when moving from left to right.

See It!

Hundreds	Tens	Ones	.	Tenths	Hundredths
1	8	6	.	2	6

The value of the "6" in the hundredths place equals 0.06.

The value of the "6" in the ones place equals 6.

The "6" in the hundredths place is worth $\frac{1}{100}$ times the "6" in the ones place.

See It!

Hundreds	Tens	Ones	.	Tenths	Hundredths
7	4	9	.	1	4

The value of the "4" in the hundredths place equals 0.04

The value of the "4" in the tens place equals 40.

The "4" in the hundredths place is worth $\frac{1}{1000}$ the "4" in the tenths place.

5.NR.1.1 Multi-digit numbers 10 and one-tenth

Practice It!

Tell whether the value of the bold-faced digit on the left is $\frac{1}{10}$ times, $\frac{1}{100}$ times, or $\frac{1}{1000}$ times the value of the bold-faced digit on its right.

1. **2**62.78

The value of the "2" in the ones place is _____ times the value of the "2" in the hundreds place.

2. 4**3**3.12

The value of the "3" in the ones place is _____ times the value of the "3" in the tens place.

3. 97**5**.73

The value of the "7" in the tenths place is _____ times the value of the "7" in the tens place.

4. 7,12**4**.54

The value of the "4" in the hundredths place is _____ times the value of the "4" in the ones place.