

TAKING ON THE B.E.S.T.

MA.5.NSO.1.1



Video Lesson

Foundational Skills

PLACE VALUE

2

1

9

3

0

8

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VALUE OF DIGITS

2

1

0

7

7

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Video
Lesson

10 Times Greater/Less

1 Write the number 47.51 in the place value chart below.

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

Write a number that is ten times greater than 47.51.

Write a number that is ten times less, or one-tenth of 47.51.

2 Write the number 9.02 in the place value chart below.

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

Write a number that is ten times greater than 9.02.

Write a number that is ten times less, or one-tenth of 9.02.

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Extra
Practice #1

10 Times Greater/Less

1 Write the number 13.12 in the place value chart below.

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

Write a number that is ten times greater than 13.12.

Write a number that is ten times less, or one-tenth of 13.12.

2 Write the number 8.4 in the place value chart below.

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

Write a number that is ten times greater than 8.4.

Write a number that is ten times less, or one-tenth of 8.4.

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Video
Lesson

?

Times Greater/ Less

1 Write the number 478 in the place value chart below.

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

Write a number that is 100 times greater than 478.

Write a number that is 10 times less than 478.

Write a number that is $\frac{1}{1000}$ of 478.

2 Write the number 9.1 in the place value chart below.

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

Write a number that is 1000 times greater than 9.1.

Write a number that is 10 times less than 9.1.

Write a number that is $\frac{1}{100}$ of 9.1.

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Extra
Practice #2

?

Times Greater/ Less

1 Write the number 50 in the place value chart below.

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

Write a number that is 100 times greater than 50.

Write a number that is 10 times less than 50.

Write a number that is $\frac{1}{1000}$ of 50.

2 Write the number 10.4 in the place value chart below.

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

Write a number that is 1000 times greater than 10.4.

Write a number that is 10 times less than 10.4.

Write a number that is $\frac{1}{100}$ of 10.4.

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Video
Lesson

True or False?

- 1 Write the number 53 in the place value chart below. Then determine if each statement is true or false.

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

	TRUE OR FALSE?
0.53 is ten times less than 53.	
5,300 is 100 times greater than 53.	
0.053 is $\frac{1}{1000}$ of 53.	

- 2 Write the number 640 in the place value chart below. Then determine if each statement is true or false.

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

	TRUE OR FALSE?
0.64 is one thousand times less than 640.	
6,400 is ten times greater than 640.	
6.4 is $\frac{1}{100}$ of 64.	

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Extra
Practice #3

True or False?

- 1 Write the number 68 in the place value chart below. Then determine if each statement is true or false.

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
			•		
			•		

	TRUE OR FALSE?
0.68 is ten times greater than 68.	
6,800 is 100 times greater than 68.	
0.068 is $\frac{1}{100}$ of 68.	

- 2 Write the number 7.1 in the place value chart below. Then determine if each statement is true or false.

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
			•		
			•		

	TRUE OR FALSE?
0.71 is ten times less than 7.1.	
7,100 is ten times greater than 7.1.	
71 is $\frac{1}{10}$ of 7.1.	

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Math
Missions

?

Times Greater/ Less

Yulia is purchasing supplies to make bracelets for her business. It costs \$0.12 to make each bracelet. She sells each bracelet for \$2.50.

PART ONE

Help Yulia determine her supply costs by filling in the chart below:

	TOTAL COST
How much will it cost to purchase supplies for 10 bracelets?	
How much will it cost to purchase supplies for 100 bracelets?	
How much will it cost to purchase supplies for 1,000 bracelets?	

PART TWO

Help Yulia determine how much she will earn in sales when she sells her bracelets by filling in the chart below:

	TOTAL COST
How much will Yulia earn in sales for selling 10 bracelets?	
How much will Yulia earn in sales for selling 100 bracelets?	
How much will Yulia earn in sales for selling 1,000 bracelets?	



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Math Misconception Mystery (PAGE 1)

BEFORE THE VIDEO: Solve the problem on your own.

What number is $\frac{1}{100}$ the value of 45?

DURING THE VIDEO: Pause after each “character” solves the problem and jot down quick notes to help you remember what they did correctly or incorrectly. .

Character #1 _____

Character #2 _____

Character #3 _____

Character #4 _____



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Math Misconception Mystery (PAGE 2)

AFTER THE VIDEO: Discuss and analyze their answers.

The most reasonable answer belongs to Character # _____ because



(Justify how this character's work makes sense.)

Let's help the others:

	Character #___:	Character #___:	Character #___:
What did this character do that was correct?			
Identify their error			
What do they need to know to understand for next time?			