MATHEMATICS · KINDERGARTEN TO GRADE 3

# Place value: ones, tens, and hundreds

### Difficulty level: Easy

### Mathematics: Kindergarten to Grade 3

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## *Overview of the concept*

This is how you read any number and know what each digit is worth, like knowing that the 3 in 345 means three hundred dollars, not three. A price tag, a house number, and a score all depend on which place each digit sits in. The 4 in 345 is forty, and the 5 is five, so the whole number is three hundred and forty-five. Once you can read a number by its places, you can read any number, no matter how big it gets.




## *Rule*

**The value of a digit = digit × its place value.**

A digit in the hundreds place is worth 100 times itself, in the tens place 10 times itself, and in the ones place just itself.

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## Worked examples

**EXAMPLE 1**

### Q What is the value of each digit in 243?




**SOLUTION**

Hundreds place: $2 \times 100 = 200$

Tens place: $4 \times 10 = 40$

Ones place: $3 \times 1 = 3$

**EXAMPLE 2**

### Q What is the value of each digit in 57?




**SOLUTION**

There are no hundreds, so start with tens.

Tens place: $5 \times 10 = 50$

Ones place: $7 \times 1 = 7$

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## Practice questions

1. In 36, look at the digit 3. What is that digit worth?

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2. In 36, look at the digit 6. What is that digit worth?

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3. In 148, look at the digit 1. What is that digit worth?

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4 In 148, look at the digit 4. What is that digit worth?

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5 In 148, look at the digit 8. What is that digit worth?

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6 In 90, the digit 9 sits in the tens place. How much is it worth?

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7 **In 205, look at the digit 2. What is that digit worth?**

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8 **Look at 205. The digit 0 is in the tens place. What is it worth?**

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9 **7 tens and 1 one make what number?**

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10 **In 80, the digit 8 is in the tens place. How many tens are in 80?**

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## ANSWER KEY

**1.** 30

**2.** 6

**3.** 100

**4.** 40

**5.** 8

**6.** 90

**7.** 200

**8.** 0

**9.** 71

**10.** 8

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