## Lesson 15: Finding This Percent of That

Let’s solve percentage problems like a pro.

### 15.1: Number Talk: Decimals

Find the value of each expression mentally.

### 15.2: Audience Size

A school held several evening activities last month—a music concert, a basketball game, a drama play, and literacy night. The music concert was attended by 250 people. How many people came to each of the other activities?

1. Attendance at a basketball game was 30% of attendance at the concert.
2. Attendance at the drama play was 140% of attendance at the concert.
3. Attendance at literacy night was 44% of attendance at the concert.

#### Are you ready for more?

50% of the people who attended the drama play also attended the music concert. What percentage of the people who attended the music concert also attended the drama play?

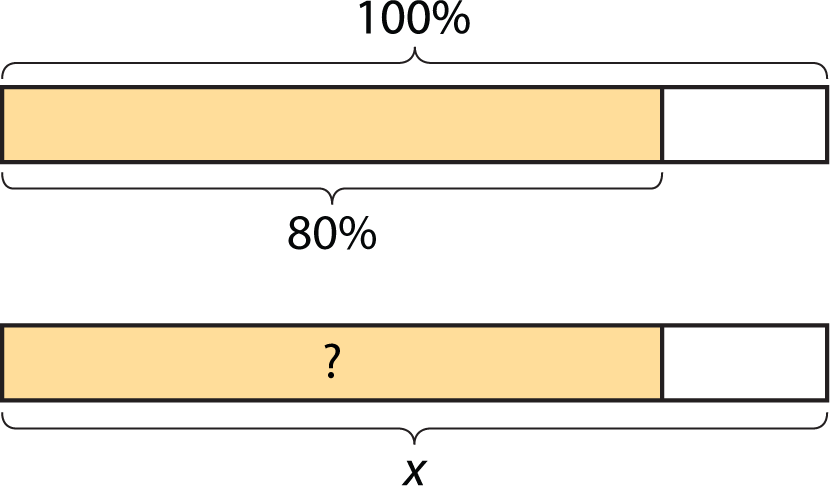
### 15.3: Everything is On Sale

During a sale, every item in a store is 80% of its regular price.

1. If the regular price of a T-shirt is $10, what is its sale price?
2. The regular prices of five items are shown here. Find the sale price of each item.

|  | * item 1 | * item 2 | * item 3 | * item 4 | * item 5 |
| --- | --- | --- | --- | --- | --- |
| * regular price | * $1 | * $4 | * $10 | * $55 | * $120 |
| * sale price |  |  |  |  |  |

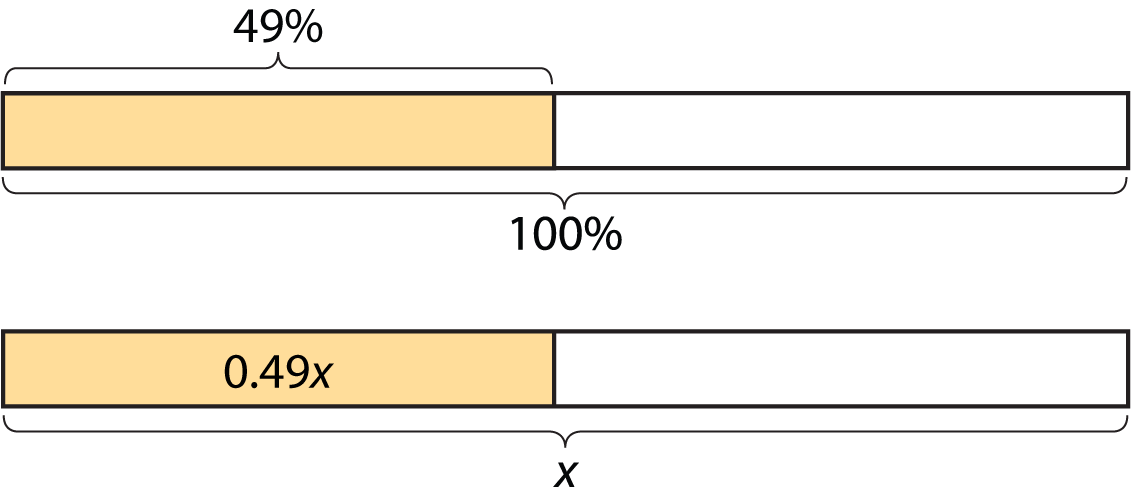
1. You found 80% of many values. Was there a process you repeated over and over to find the sale prices? If so, describe it.

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1. Select **all** of the expressions that could be used to find 80% of . Be prepared to explain your reasoning.

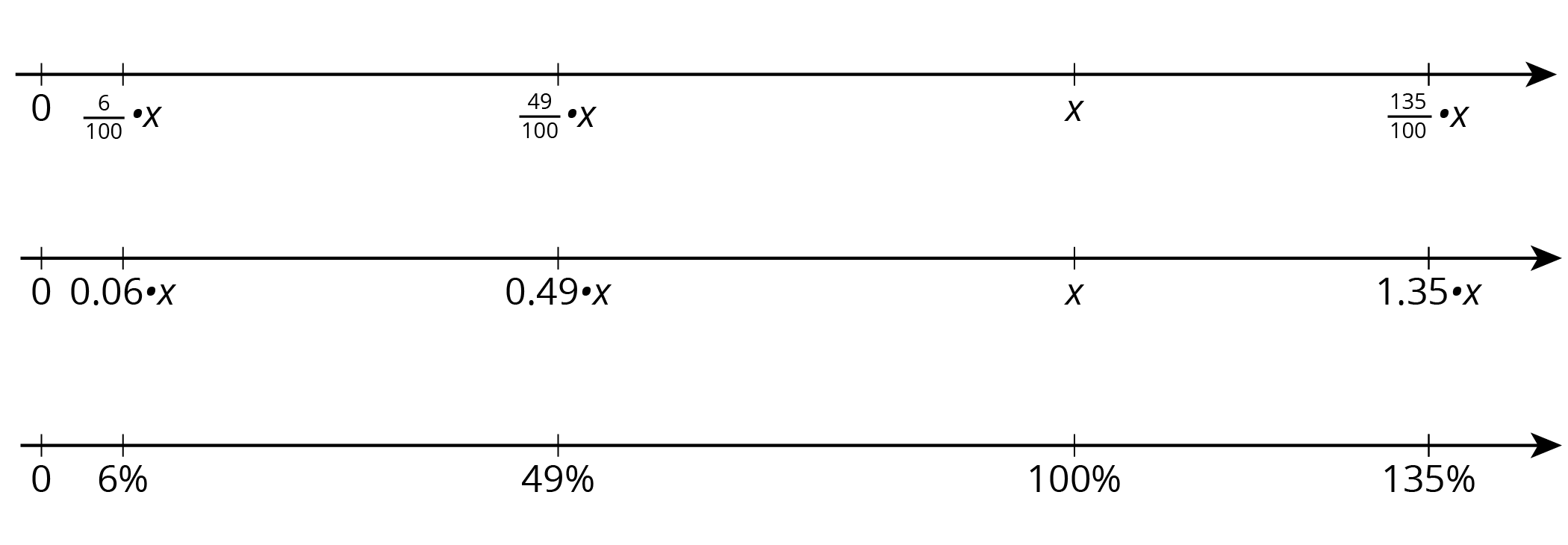
### Lesson 15 Summary

To find 49% of a number, we can multiply the number by or 0.49.



To find 135% of a number, we can multiply the number by or 1.35.

To find 6% of a number, we can multiply the number by or 0.06.



In general, to find of , we can multiply:



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