

Lesson 3 Student Notes

Lesson 3 Objective: Today I will be able to

Let's look at what we did yesterday...

What number is 70% of 20?

Using the UNIT model

Picture:

Answer:

Using the TOTAL model

Picture:

Answer:

Today, we're going to model these problems in a simpler way, still showing our understanding:

Using the UNIT model

Picture:

Answer:

Reasoning:

Using the TOTAL model

Picture:

Answer:

Reasoning:

Let's do an example together, side-by-side, in the simplified way:

WE DO – Example 1: What number is 30% of 50?	
Using ONE UNIT	Using the TOTAL
Picture:	Picture:
Answer:	Answer:
Reasoning:	Reasoning:

YOU DO – Example 2: What number is 60% of 35?	
Using ONE UNIT	Using the TOTAL
Picture:	Picture:
Answer:	Answer:
Reasoning:	Reasoning:

WE DO – Example 3: What number is 33% of 55?

Using ONE UNIT

Picture:

Answer:

Reasoning:

Using the TOTAL

Picture:

Answer:

Reasoning:

APPLICATION – Example 4: Pheobe saved up all his coins for over a year. When she wanted to cash them in, she counted them all and had \$185. She went to the CoinStar machine and realized they charge a 9.8% fee to use the machine.

a) About how much will Pheobe's fee be?

b) About how much money will Pheobe get for his coins?

a) Using ONE UNIT to find the *fee*

Picture:

Answer:

Reasoning:

a) Using the TOTAL to find the *fee*

Picture:

Answer:

Reasoning:

b) Using ONE UNIT to find how much ***Pheobe keeps***

Picture:

Answer:

Reasoning:

b) Using the TOTAL to find how much ***Pheobe keeps***

Picture:

Answer:

Reasoning:

Name: _____ Period: _____

Ticket-out-the-Door

What number is 40% of 45?

Using ONE UNIT

Picture:

Answer:

Reasoning:

Using the TOTAL

Picture:

Answer:

Reasoning: