

Scenario 1

Educreations is Like a...

Using figurative language is an important part of writing. You have been learning about simile and metaphor during your fifth grade English language arts time, and the teacher would like you to create a video explaining what a simile is.

Create a video that does the following:

Explains what a simile is

Gives three examples of similes

Extension A

Add clipart or photos to your video

Stretch Activity

Create a video that explains what a metaphor is and give three examples of metaphor.

Scenario 2

It's about how much?

Estimation is an essential mathematical skill, and rounding is a large part of that skill. Place value is something your classmates in your fourth grade class already know, but they need practice estimating sums of numbers in the thousands.

Create a video that does the following:

Presents a word problem where two numbers must be rounded to give an estimated answer.

Extension A

Show the actual answer to the same problem then round that number and compare it to the estimate.

Scenario 3

Parts of a Whole

Fifth grade fraction standards require students to know how to replace fractions with unlike denominators with a common denominator before adding them.

Create a video that does the following:

Presents two fractions with unlike denominators that need to be added.

Shows how to find a common denominator and how to make equivalent fractions using that common denominator.

Shows how to add the equivalent fractions.

Extension A

Present a word problem that accomplishes the same goals as above.

Scenario 4

That's Mine!

Would you say that is Frank's car? Would it be Miles' car or Miles's car? What if the Bates family owned the car? Possessives can be tricky for students, but when they have a good video to watch over and over, putting the apostrophe and S in the correct place becomes easier.

Create a video that does the following:

Shows students how to make a singular noun possessive and how to make a plural noun possessive.

Extension A

Write at least two sentence: one showing a singular noun that is possessive and one showing a plural noun that is possessive.

Scenario 5

Capitalization

Sometimes students need a reminder about the simple things in life—like starting a sentence with a capital letter, but what else should be capitalized?

Create a video that does the following:

Shows at least four types of situations where words must be capitalized, and includes two examples for each.

Extension A

Show tricky situations like when to capitalize seasons or directions.

Scenario 6

Points on the Coordinate Plane

One of the neat hidden features of Educations is the ability to have a coordinate plane as the background image. Use that background image to show students how to plot points on a coordinate grid.

Create a video that does the following:

Explains which axis is which.

Describes a coordinate pair.

Shows how a coordinate pair is used to plot a point.

Models how to label a point with its coordinate pair.

Extension A

Plot a series of points and connect them to form a polygon.

Scenario 7

How Many Inches in a Mile?

Converting units is part of everyday life as well as the math standards. Do students need to know the formula to convert Celsius to Fahrenheit? NO, but they do need to know how to determine how many inches are in seven feet or how many kilometers are in 8,500 meters.

Create a video that does the following:

Uses one measurement system.

Shows how to convert smaller units to larger ones.

Shows how to convert larger units to smaller ones.

Keeps conversions to relatively simple operations (NOT “How many miles is 3 inches?”).

Extension A

Find out how many miles 3 inches is.

Scenario 8

Tiles for the Kitchen

Multiplication is often modeled using arrays, and that should help with this video about area. Keep things regular (rectangles and squares) as you create a video showing how to determine area of a rectangular space.

Create a video that does the following:

Shows what area means.

Gives at least three examples for finding area.

Uses both rectangular and square areas.

Does not always show the squares.

Extension A

Use the grid background that is built into Educations to help you draw your square units easily.

Scenario 9

Don't Fence Me In

Area can be easy. Perimeter can be easy, but once a student has been exposed to both, keeping them straight can be a challenge, but having videos to return to over and over can help clarify things.

Create a video that does the following:

Explains what perimeter is.

Shows how to find the perimeter of squares and rectangles.

Gives at least two real-world examples of when perimeter would be used.

Extension A

Shows how to find the perimeter of an irregular polygon.

Scenario 10

Standard Multiplication

Mathematical practices in the Common Core encourage students to learn a variety of ways to solve problems, but the good ol' standard algorithms will be around for a long time. This scenario highlights the traditional, standard algorithm of multiplication.

Create a video that does the following:

Models how to use the standard algorithm of multiplication to multiply two two-digit numbers.

Gives at least two examples.

Extension A

Presents a word problem where two two-digit numbers must be multiplied to find the answer.