

Main Ideas, Key Points, Questions:

After watching the video segment, write down key points, main ideas, and big questions.

Objective(s):

- Understand significant figures and why they are used in measurements.
- Determine the number of significant figures in a measurement and in the final answer of a calculation.

Notes:

During the video segment, use words, phrases, or drawings to take notes.

Summary:

After watching the video segment, write at least three sentences explaining what you learned. You may ask yourself: "If I was going to explain this to someone else, what would I say?"

Questions to consider:

1. What does the number of significant figures in a measurement represent?

2. When determining the number of significant figures in a measurement, are non-zero numbers significant? Explain.

3. When determining the number of significant figures in a measurement, are the zeros between non-zero numbers significant? Explain.

4. When determining the number of significant figures in a measurement, are the zeros after a decimal and non-zero numbers significant? Explain.

5. When determining the number of significant figures in a measurement, are the zeros between a decimal and non-zero numbers significant? Explain.

6. When determining the number of significant figures in a measurement, are the zeros after non-zero numbers but before a decimal significant? Explain.

Questions to consider:

7. When adding or subtracting, how is the number of significant figures in the answer determined?

8. When multiplying or dividing, how is the number of significant figures in the answer determined?
