

Out of Control!

ID: 10137

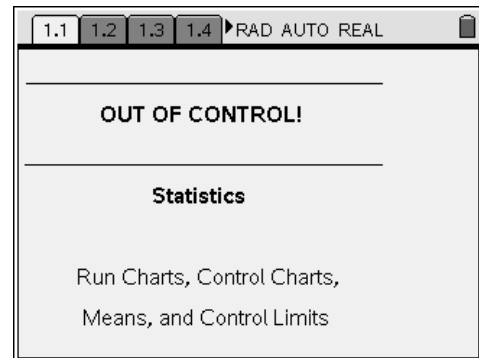
Name _____

Class _____

In this activity, you will explore:

- *Run Charts and control charts*
- *Sample means*
- *Upper and lower control limits*

Open the file *StatAct33_OutOfControl_EN.tns* on your handheld and follow along with your teacher to work through the activity. Use this document as a reference and to record your answers.



Problem 1 – Run Charts

Sketch the basic shape of the run chart and tell of any patterns or trends you find.

1.3:

1.4:

1.5:

1.6:

Problem 2 – Control Charts – Weights

Upper Control Limit $y =$ _____

Sketch the basic shape of the control chart:

Center Line $y =$ _____

Lower Control Limit $y =$ _____

Is the cheese packaging process out of control? Explain.

Problem 3 – Control Charts – TemperatureUpper Control Limit $y =$ _____

Sketch the basic shape of the control chart:

Center Line $y =$ _____Lower Control Limit $y =$ _____

Are there indications of an unstable process?

Explain.