

CCSS Mathematics Assessment Task

Crazy for Carrots

Grade Level: Kindergarten

Mathematics Domain and Cluster:

Domain: Numbers and Operations in Base Ten

Cluster: Work with numbers 11-19 to gain foundations for place value.

Common Core standard(s) being assessed (if the task is intended to assess only one part of the standard, underline that part of the standard):

K.NBT.1: Compose and decompose number from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (such as $18=10+8$); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight or nine ones.

Student Materials:

- Crazy for Carrots Assessment Sheet
- Counters
- Ten Frame
- Pencil

Teacher Materials:

- None

Directions (for teacher to administer assessment task):

- Hand out the Crazy for Carrots assessment

Differentiation:

- Students can represent their thinking using objects. Teacher can take a picture as evidence of understanding. To gain a better understanding of students thinking the teacher can ask the student to explain how they solved the problem.
- Teacher can prompt students to use the Ten Frame

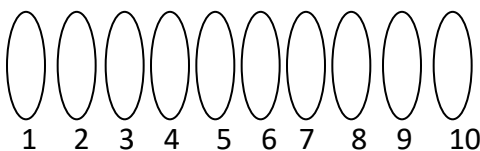
Prompt:

Say: **Today you will solve a story problem. You can use math manipulatives if you need to.**

Read the prompt: **You need to buy some carrots for your mom. She needs 16 carrots. Carrots are sold as single carrots and in bundles of 10. How many bundles of 10 and single carrots do you need to buy?**

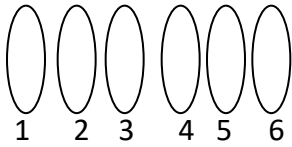
Correct or Model Answer:

Possible Solution:



1 Bundle

CCSS Mathematics Assessment Task



6 single carrots

Possible Equation Solution:

$$16 = 10 + 6$$

Bundles of 10: 1 Single Carrots: 6

Scoring Guide/Rubric (a score should be awarded for each criterion below)

Criteria (CCSS code)	0 points	1 Point	2 Points
Decompose numbers from 11 to 19 into ten ones and some further ones (K.NBT.1)	Student is unable to determine the solution using objects, drawings, or an equation.	Student represents the solution to the problem using objects, drawings and/or an equation with some mistakes.	Student accurately represents the solution to the problem using objects, drawings and/or an equation.

CCSS Mathematics Assessment Task

Name _____

Date _____

Crazy for Carrots

Problem:

You need to buy some carrots for your mom.

She needs 16 carrots.

Carrots are sold as single carrots and in bundles of 10.

How many bundles of 10 and single carrots do you need to buy?

Solve the problem.

Show your thinking.

Bundles of 10: _____ Single Carrots: _____

Scoring Guide or Rubric:

Scoring Guide/Rubric (a score should be awarded for each criterion below)

Criteria (CCSS code)	0 points	1 Point	2 Point
Decompose numbers from 11 to 19 into ten ones and some further ones (K.NBT.1)	Student is unable to determine the solution using objects, drawings, or an equation.	Student represents the solution to the problem using objects, drawings and/or an equation with some mistakes.	Student accurately represents the solution to the problem using objects, drawings and/or an equation.