

ADMINISTERING THE ASSESSMENT

How will you administer the assessment? (Student choice or teacher choice for where to start? Moving individually? Rotating groups? Whole class?)

I've put them into three groups (mixed ability). They'll move from one station to the next every ten minutes. I'll stay at the concrete station and the learning specialist will be at the abstract station.

Concrete Station

Problem

Sam has 12 books. Edie has 9 books. How many books do they have together? Show me, then draw a picture.

Materials

interlocking cubes, base ten blocks, pennies and dimes, tiles, and books

How will you record student work?

I'll ask the children to draw their solutions. I'll ask the students to draw their solutions and explain their answers in their own words.

Representational Station

Problem

Jason has 7 cents. He gets 14 more cents. How much money does he have now? Draw a picture and use numbers.

Materials

pencils, erasers, paper (plain, lined, graph), markers

How will you record student work?

I'll ask the children to draw their solutions, once they have built them with one of the manipulatives. I'll also have a clipboard and 5-by-7-inch sticky notes on which I'll make notes.

Abstract Station

Problem

Alissa has 18 stickers. Her mom gives her 7 more. How many does she have now? Write a number sentence to answer.

Materials

pencils, paper, the chart where we wrote our daily equations during meeting (to remind students what a number sentence is)

How will you record student work?

Students will write their number sentence and add their names.



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The assessment will be conducted as a whole class. We'll start with the concrete models and work our way to the abstract. Students will work at their tables in order to share materials but they must work independently. I think this can happen in one class period.

Concrete Station

Problem

Suzanne has \$5.00. She wants to buy cupcakes that cost \$.35 each. How many cupcakes can she buy?

Materials

classroom money, base ten blocks, chips for trading

How will you record student work?

Students must first create a model using materials and then draw a picture to show how they solved.

Representational Station

Problem

There are 14 candies in every roll. How many rolls can you make with 800 candies?

Materials

graph paper, unlined paper, pencils, markers

How will you record student work?

Students will record their representations and their explanations. I will remind students of the representations we've worked with already (graphs, T-charts, tables, organized lists, diagrams) with a chart of these at the front of the room that includes examples. I think this will help students whose first language is not English with the idea of "representations."

Abstract Station

Problem

196 students signed up for soccer. If the soccer league puts 16 students on a team, how many teams will the league have?

Materials

pencils and paper

How will you record student work?

Students will record an equation and their calculations so I get a sense of how they computed their answers.