Do You Have?

Grade Level: Kindergarten

Mathematics Domain and Cluster:

Domain: Operations and Algebraic Thinking

Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

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.OA.4: For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation.

Student Materials:

- Number Cards
- Ten Frame
- Counters
- Pencils
- Partner

Teacher Materials:

• Do You Have? Checklist

Directions (for teacher to administer assessment task):

• Pass out Number Cards and ask the students to cut them apart. (You can print the cards on cardstock and laminate them for durability and multiple use.

Differentiation:

- There are 2 sets of cards. One set of cards represents the number in a ten frame. The second set of cards are pictures of teddy bears that are not organized in a ten frame.
- Prompt students to use their ten frame to help them solve the problem

Prompt:

Say: Today you are going to play a game with a partner. The object of the game is to make 10 with 2 number cards.

Here is how you play:

- Spread the cards out face down in the middle of you and your partner.
- You and your partner need to take 5 cards.
- Look at the cards you chose. Can you combine any two cards to make 10? If you can put those face up on the side of you. For example, if you have a 4 and a 6 you can put that pair down because they make 10.
- Take turns asking each other for the number cards you need to make 10. For example, if you have 3 and you need 7 to make 10 you say, "I have 3 do you have 7?" If your partner has the card you need you can put your combination of 10 down but if he/she doesn't you can pick a card from the pile.
- Continue to play until all of the cards have found their partner to make 10.

Correct Model or Answer: Not Applicable.

| Scoring Guide/Rubric (a score should be awarded for each criterion below) | | | | | | |
|--|--|---|--|--|--|--|
| Criteria (CCSS code) | 0 points | 1 Point | 2 Point | | | |
| For any number from 1 to 9, find the number that makes 10 when added to the given number. (K.OA.4) | Student is unable to identify the numbers needed to make 10. | Student identifies the numbers needed to make 10 with some mistakes. | Student accurately identifies the numbers needed to make 10. | | | |

Do You Have? Kindergarten Mathematics Checklist

| Student | 0+10 | 10+0 | 1+9 | 9+1 | 2+8 | 8+2 | 3+7 | 7+3 | 4+6 | 6+4 | 5+5 |
|---------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1. | | | | | | | | | | | |
| 2. | | | | | | | | | | | |
| 3. | | | | | | | | | | | |
| 4. | | | | | | | | | | | |
| 5. | | | | | | | | | | | |
| 6. | | | | | | | | | | | |
| 7. | | | | | | | | | | | |
| 8. | | | | | | | | | | | |
| 9. | | | | | | | | | | | |
| 10. | | | | | | | | | | | |
| 11. | | | | | | | | | | | |
| 12. | | | | | | | | | | | |
| 13. | | | | | | | | | | | |
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| 16. | | | | | | | | | | | |
| 17. | | | | | | | | | | | |
| 18. | | | | | | | | | | | |
| 19. | | | | | | | | | | | |
| 20. | | | | | | | | | | | |
| 21. | | | | | | | | | | | |
| 22. | | | | | | | | | | | |
| 23. | | | | | | | | | | | |
| 24. | | | | | | | | | | | |
| 25. | | | | | | | | | | | |

Possible Key:

F = Fluently identifies needed number.

□ = Accurately identifies needed number by using manipulatives.

X = Unable to identify needed number.

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|--|--|---|--|--|--|--|
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|---|---|---|---|
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CCSS Mathematics Assessment Task

| ? | ? | ? | ? |
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| ? | ? | ? | ? |

