

Mathematics Benchmark

Constructed Response Marking Scheme

Grade: 2ND

Item Description: Zoo Problem

Mathematical Content

1 point

12
12 Horses

Mathematical Process

2 points:

- Clearly communicates the application of multiple operations (2 steps) to solve the problem.
- Identifies a quantitative relationship between the two problems that is not stated in the problem. (8 horses remain in the pen)
Examples include:
 - $7 + \underline{\quad} = 15$ or subtracting $15 - 7 = \underline{\quad}$ and then added 4 more. Answer of 12
 - Added all animals together to get 19 and then subtract the number of cows (7). Answer of 12
 - Any representation that communicates the thinking processes stated above even without words

1 point:

- Correctly identifies one step of the problem but fails to complete the last step in the problem e.g., draws 15 circles and removes 7 leaving 8 circles but ignores the 4 extra horses.
- Finds the difference by using an unknown added ($7 + \underline{8} = 15$), but adds the 4 to the wrong quantity. ($15 + 4 = 19$).

0 point:

- Adds all the quantities together ($7 + 4 + 11$).
- Adds wrong quantities (7 cows and 4 horses)
- Applies completely wrong operation
- Blank, illegible or off topic