



Mathematics Benchmark

Constructed Response Marking Scheme



Grade: 8

Item Description: Furnace Repair

Mathematical Content

1 point

Student correctly identifies Company A as the better buy during intervals of 0 – 1 hour and/or Company B as the better buy at 3 or more hours

Mathematical Process

2 points:

Work demonstrates a strong understanding of simultaneous linear equations, (i.e., tables, graphs, or algebraically), and uses their understanding to find a range of time when one company is the better deal.

1 point:

Work demonstrates an incomplete understanding of simultaneous linear equations, (i.e., student correctly completes the table for one company but has errors in the other company's table).

0 points:

The student provides a completely incorrect explanation or justification, one that cannot be interpreted, or there is no response.