

Item 3

Claim 4
6.RP.A

SAMPLE	SCORE	RATIONALE
A	0	The student divided the correct amounts; however, the division, the decimal placement, and the rounding are all incorrect.
B	2	The response indicates that the student understood that 4 cans are needed to paint the room completely, and that 3 cans of paint will leave "...five feet left to paint."
C	2	The student accurately divided and clearly understood that the paint can only be purchased in "whole cans."
D	1	The response shows calculations for adding 4 cans of paint, and includes the correct number of cans needed, but does not include any explanation.
E	1	There is no explanation as to why 4 more cans are needed to finish painting the room.
F	0	The student divided the correct amounts; however, the decimal is placed incorrectly and the rounding is incorrect.
G	2	Using repeated subtraction, the student calculated that with only "3 cans you would have 5 square feet left to paint." Without explicitly stating that partial cans of paint cannot be bought, the student understood that by purchasing 4 cans, Sam can paint the entire room.
H	0	The student clearly understood that 3 cans are not enough, "so it need a little bit more." However, the response does not include evidence of taking into account that paint can only be purchased in whole cans.
I	1	The student stated that 4 cans "is more than enough," but did not indicate why 4 cans, versus a lesser amount, are needed.
J	2	The student clearly understood that "3.12" is the exact amount needed to complete the room, so Sam must get 4 cans "since you can't have an uneven amount." The "or 16 1 quart cans" is extraneous and suggests that the student was thinking about gallons and quarts.
K	1	The student stated "or 4 cans," but the explanation supports the reasoning for $3 \frac{1}{8}$ cans "because there is no need for another can."