

Determining What Students Are Thinking – Part 2

- 1 Anasimon: For Tanesha's I got $\frac{2}{6}$ and for David I got $\frac{4}{12}$
2 Selvia: Um, can you tell me why you got 4 over 12?
3 Anasimon: I got $\frac{4}{12}$ like, because when you come to um—I just did it with 6 and
4 then I kept on splitting it more and I got that, both of this.
5 Selvia: Well, how many did you split? If you got 6, how many did you split them
6 into again?
7 Anasimon: I split them into 6 more lines.
8 Selvia: I think I disagree with you because I got $\frac{4}{6}$ because I added 4 plus 2,
9 which gives me 6. I got that for both on bottom and then it said that she
10 got four pieces, so I shaded in 4 pieces. For Tanesha, I got $\frac{2}{6}$ because I
11 still got 6—6 for the bottom numbers. There I got 6, but I shaded in 2
12 parts. But I don't really understand why you got $\frac{4}{12}$. Can you be a bit
13 more specific?
14 Anaaimon: I just—I just kept on splitting it and I just— instead of me doing $\frac{2}{6}$, I
15 split it more. Instead of 6, I got 12.
16 Selvia: But I think what you did is kind of the same thing that I did because I
17 think you just added. You doubled the denominator. That's what you did.
18 Then you doubled the numerator. That's what I think you did. But I still
19 think they're equal.
20 Anasimon: Vinny, what did you do?
21 Vinny: I just doubled $\frac{1}{2}$ to get the amount $\frac{4}{8}$ and $\frac{2}{4}$.
22 Selvia: So, did you double them or what did you do?
23 Johanna: Um, I doubled them?
24 Selvia: What numbers did you double?
25 Johanna: I doubled—So, the 6 had the same denominator, and the numerator, it has
26 the same.
27 Selvia: So you said that you doubled the bottom number?
28 Johanna: Yeah.
29 Selvia: OK. That gets you to 12. So, for David, what did you get?
30 Johanna: I got $\frac{2}{6}$.
31 Selvia: But didn't David eat 4 pieces? He got 4 pieces?
32 Johanna: Yeah.
33 Selvia: So, I think I disagree with you because it said that Tanesha was the one
34 that ate 2 pieces.
35 Johanna: So, that's $\frac{2}{4}$?
36 Selvia: No. What you did on David was that you actually— I think you doubled
37 like— you actually mixed them up a bit. Because for Tanesha, it was
38 supposed to be um, 2—um, two— 2 pieces. For David, 4 pieces.
39 Miss Stastny: Did they eat the same amount or different amounts?
40 Selvia: Different. Same?
41 Miss Stastny: See if y'all can go back to the problem and see if it says if they ate the
42 same amount or not.

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43 Anasimon: Tanesha had two portions one pan.
44 Selvia: It says that they both received the same amount of...
45 Selvia: Lasagna.
46 Miss Stastny: They both got the same amount?
47 Selvia: Yeah, because what I did was that I just—that I got the same denominator,
48 but it just doubled the numerator.
49 Miss Stastny: Okay, so in this model, my question for y'all is did they get the same
50 amount?
51 If she ate this much and he ate this much, did they eat the same amount?
52 See if ya'll can talk about that.