

Making Key Ideas Public-Part 2

- 1 [Michelle Musumeci helps her first group of presenters hone in on and connect key ideas in the
2 Buying T Shirts Task]
- 3 Mrs. Musumeci: We've shown this in a table and I'm going to ask Spencer if you put your
4 graph up now and maybe you can explain how you got from the table to
5 the graph. Is it OK?
- 6 Spencer: The table or the graph or both? Or what?
- 7 Mrs. Musumeci: I'd like to see your graph. And kind of re-explain. I've heard this 10 in 150,
8 but our actual question is when is it better to buy from Crazy Tees and
9 when is it better to buy from T-shirts R Us? Can you explain what you
10 told me earlier in --
- 11 Spencer: What we determined is that, quite simply, when you have more shirts you
12 want to buy from T-shirts R Us. When you have less shirts, you want to
13 buy from Crazy Tees. What proves this is: Starting at less shirts, Crazy
14 Tees is less until you get to 10 shirts and \$150. Once you hit after 10, T-
15 shirts R Us is marginally cheaper but getting more cheaper than Crazy
16 Tees.
- 17 Mrs. Musumeci: Do you know why? Or can anybody tell us why? Mark, wanna tell us? So
18 why does T-shirts R Us become cheaper after 10 shirts?
- 19 Mark: Oh yeah. OK so, eventually it starts to get cheaper because after it gets to
20 10 shirts \$150 then it's like at the same point. And then T-Shirts R Us is
21 still going up by \$10.00 each shirt. Crazy Tees is going up \$15.00. So
22 Crazy Tees is going to be steeper. So it's--
- 23 Mrs. Musumeci: OK. Crazy Tees is going to be steeper. So Mellina do you want to add to
24 that?
- 25 Mellina: Crazy Tees gets above T-shirts R Us because the cost for Crazy Tees is
26 \$15.00 per shirt and T-Shirts R Us is \$10.00 per shirt. So eventually the
27 extra five that's on Crazy Tees catches up to the 50 that's first set up. So
28 that's why it needs that 10 because 10 times five equals 50. So then 50 and
29 then yeah.
- 30 Mrs. Musumeci: OK. I understand what you're saying. Can anybody either restate what
31 she's saying or tell me what those numbers 10 and 15 mean in the context
32 of this problem? What is the ten? What is the 15? Eva?
- 33 Eva: Crazy Tees. So T-shirts R Us is \$5.00 less than Crazy Tees. So that will
34 start--
- 35 Mrs. Musumeci: Per shirt?

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- 36 Eva: Yeah per shirt.
- 37 Mrs. Musumeci: OK.
- 38 Eva: So that will start decreasing once it comes in.
- 39 Mrs. Musumeci: OK.
- 40 Eva: Because it has \$5.00 more.
- 41 Mrs. Musumeci: Great. Somebody I haven't heard from yet. What is that called? That
42 number in our equation. We saw those equations with a 10 and a 15. So
43 right here. The 15 and the 10. What do we call that?