

TOWERS 5-HIGH: February 6, 1992 (4th Grade)

CLIP2 of 3 00:20:00:29 – 00:27:10:00 Lines 244 – 330

244 00:20:10:29 Brian How about three blues and two whites or four blues and one white?
[Romina pulls up an example tower of each] We have that? Four blues
and one white?

245 Romina [Holds up a tower] Four blues and one white. We're almost – I think
we have all of them. We have all the whites. We have all blues.

246 Brian How about one blue on the bottom and four whites up?

247 Romina Um. [Drags her finger across the row]

248 Brian We don't have that! We don't have that!

249 Romina Um. [Pulls up the tower of one blue and four whites. She laughs and
Brian puts his hands to his temples]

250 Brian One white and four blues up?

251 Romina One white and four blues.

252 00:21:03:02 Dr. A. [Leans down and looks at the row of towers with the students]. Oh,
how many do you think you have?

253 Brian I don't know but we had twenty-one.

254 Dr. A. Oh, you have a lot.

255 Romina One, two, three, four, ... [Romina quietly counts the towers]

256 Dr. A. Can you tell me what you're thinking about?

257 00:21:12:26 Brian Well, once when we find one we just do the opposite.

258 Dr. A. What do you mean 'the opposite'?

259 Brian Like, when we found this one out [holds up WBBBW]

260 Dr. A. Yeah?

261 Brian We just put two blues on the top and three whites in the middle. [Brian
holds up the BWWWB]

262 Dr. A. Oh. Do they always have an opposite?

263 Romina Yeah.

264 Brian Yes. Well, not. Yeah. [Romina nods her head] Well not like ones that
have two in the middle.

265 Dr. A. Hmm. So it works sometimes?

266 Brian Like if you have two here. You can't do that. Switch it around.

267 Romina What? You can switch this around. You can put two whites and three
blues.

268 Dr. A. What would be the opposite to that one?

269 Romina Which one? That one?

270 Brian Do we have it? Yes.

271 Romina This one.

272 Dr. A. Oh, so that's what you mean by 'opposite.'

273 Romina Yeah.

274 Dr. A. So that's the way you've been working?

275 Brian Yeah. Let's see if we have any one without an opposite.

276 Romina Yeah, that's a good idea. [Dr. A. moves away from their desk]

277 Brian I found one already!

278 00:22:31:02 Romina Which one?
279 Brian Three blues. No, three blues, one white and one blue. [Romina pulls two towers – BWBBB and BBBWB - out of the row] Ah!

280 Romina Look for one, I can't find - two blues, one white and two blues.
281 Brian Two blues, one white, and two blues?
282 Romina Oh nuts. [Holds up the BBWBB]
283 Brian Two whites, one blue, two blues. Two whites, one blues
284 Romina They're opposites. Take the ones that are opposites and put them over here.

285 Brian [Separates a group of towers] All of them are opposites.
286 Romina Maybe you can find one that's not. Well these are [Holds up WWWWW and BBBBB]

287 Brian Wait, I found one, I found one! This one. Oh no, I found it.
288 00:23:16:29 Romina [Hums and moves the tower] Da, da, da, da.

289 Brian With two whites on top? Right there.
290 Romina Oh, I guess I have bad eyesight. [Hands towers to Brian who puts them in a separate pile laying flat against the desk]

291 00:23:32:10 Brian We don't have it, we don't have it, we don't have it! Ah! This one we don't have.

292 Romina What do you mean, this one we don't have?
293 Brian We don't have one blue and four whites.
294 Romina [Holds up a tower] One blue and four whites. [Brian grabs two more towers out of her hand] Whoa, whoa, whoa, whoa.

295 Brian They're the same, look. Yeah, no opposites.
296 Romina All opposites you mean.
297 Brian Yeah, no sames.
298 Romina Oh god. Umm. [Puts her chin in her palm and looks down at the desk].
299 Brian Ah! You shouldn't have done that, because now we can't see which one we did. [Brian starts to pick up the towers that are now all lying flat and stand them up on the desk]

300 00:24:24:18 Romina Well, get the matches together. Which one – is this right? [Romina holds up WWWWB and BWWWW together]

301 Brian Yeah.
302 Romina No it's not.
303 Brian Wait.
304 Romina No, we had to find four blues and one white.
305 Brian Four blues and one white? Did you find it?
306 Romina No
307 Brian Oh! We might not have it.
308 Romina But we do. Four blues – [Romina leans over the pile of towers]

309 Brian We don't have it. We don't have it. We don't have it. [Romina picks up a tower BBBBW and shows it to Brian]. Oh, we have it! [Holds his hands up to his face] Oh! So close.

310 00:25:03:22 Romina We have this one. We have this one. [Romina stands pairs of towers up on the desk in front of her: WBBBB and BWWW, BBBW and WWWB]

311 Brian Two whites, three blues. [Brian stands up WWBBB and BBWW next to the two pairs Romina put up]

312 Romina Don't put them together. [She separates the six towers into pairs].

313 Brian No, we already know they're whatcha-macall.

314 Romina They're going for strolls in the park.

315 Brian [Laughs and leans back] It's like playing with two Barbie dolls. Here - match. [Brian hands Romina more towers to stand up" BWBBB and WBWW]

316 Brian [Looks at the pair WWBWW and WWWBW that Romina just stood up] That ain't no match.



317 Romina I know that. Hmm. [Looks over at the other pile of towers]

318 Brian [Brian pairs WWBWW and BBWB together and then picks up two more towers] Got three whites. [Romina picks up the pair Brian puts down and then puts it down again. Romina and Brian stand up more pairs on the table until there are a total of twenty total towers standing or 10 pairs]

319 Romina [Sighs. Leans over and picks up the only tower that is not standing up now: BBBWB] Do we have this one?

320 00:25:57:29 Brian What? Is there any without a pair? Any without a pair? [Romina holds the tower BBBWB against a duplicate already standing up] Yeah, same thing.



321 Romina [Romina moves two of the opposite pair towers closer to each other]. Husband and wife. [Then she knocks down several of the standing towers]

322 Brian Strike.

323 Romina Whoops.

324 Romina [She stands up the fallen towers again] Um. I can't see any more. I can't. What about two blues -

325 00:26:48:25 Brian Two blues, two whites – Two blues, two whites, and a blue!
326 Romina [Romina assembles the tower BWWBB and nods] Correct.
327 Brian Please no, please no. We don't have it!
328 Romina [Places the new tower BWWBB against each of the existing towers
standing up] Oh.
329 Brian We don't have it, we don't, we don't, we don't. We don't have it
[pumps arms in the air]. Oh yeah!
330 00:27:10:00 Romina Hallelujah!