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Exercise 2

- a) A three person team has 15 man days a person. It took 45 man days to complete 32 story points so we can say $32/45 = .7$ story points a man day. We can assume the two engineers will keep on pace with the current team so we can assume they also will complete .7 story points a man day. Since one engineer can only work 80% of the time we can only add $15 + (15 \cdot .8)$ man days = 27 man days. $27 + 45 = 72$ man days at .7 story points a day is 50.4 story points. Round that down since we have to complete a story to gain story points to 50 story points in a 3 week sprint.
- b) A brand new team is typically estimated at the standard 70% focus factor.
- c) Have signs showing how many story points you think that feature would take. Have the group split up into how many story points they think it will take. Have the groups argue until everyone is united under one. This is probably worse since it allows for mid splitting discussion and can single people out mid process.
- d) See attached
- e) See attached
- f) See attached
- g) See attached