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Programming Exercise 1.1 – Your First Algorithm

1. Write on a piece of paper these 6 labels: “red\_ranger”, “blue\_ranger”, “yellow\_ranger”, “green\_ranger”, “black\_ranger”, “white\_ranger”
2. Ask red\_ranger their age – write it under the label “red\_ranger”.
3. Ask blue\_ranger their age – write it under the label “blue\_ranger”
4. Write this new label on the paper: “sum”
5. Add the numbers under the labels “red\_ranger” and “blue\_ranger” – write the result under the label “sum”.
6. Ask yellow\_ranger their range – write it under the label “yellow\_ranger”
7. Add the numbers under the labels “sum” and “yellow\_ranger” -- write the result under the label “sum”, scratching out what I wrote there previously.
8. Ask green\_ranger their age – write it under the label “green\_ranger”.
9. Add the numbers under the labels “sum” and “green\_ranger” – write the result under the label “sum”, scratching out what I wrote there previously.
10. Ask blue\_ranger how old is black\_ranger – write it under the label “black\_ranger”.
11. Add the numbers under the labels “sum” and “black\_ranger” – write under the label “sum”, scratching out what I wrote there previously.
12. Ask blue\_ranger how old is white\_ranger – write it under the label “white\_ranger”.
13. Add the numbers under the labels “sum” and “white\_ranger” write under the label “sum”, scratching out what I wrote there previously.
14. Write this new label on the paper: “avg”.
15. Using a calculator, divide the number under the label “sum” by 6 and round to the nearest whole number – write the result under the label “avg”.
16. Write on a new piece of paper this label: “The Power Rangers’ average is “ followed by the value written under the label “avg” on the original piece of paper.