

Problems to Ponder

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Problem 12:

Would you rather have . . .

- six bags of eight marbles to share with two friends, or
- five bags of eight marbles to share with one friend?

For further thought: Think of one thing you could change about one or both choices that would alter your decision.

Solution:

Student choices will vary, but a student may choose five bags of eight marbles because it is more marbles per person; or, they may choose six bags of eight marbles so they can share with more friends or because they could give each friend two bags.

For further thought: Think of one thing you could change about one or both choices that would alter your decision.

Answer: There are many options. One is, “If the first choice was 9 bags of 8 marbles to share with 2 friends,” then each person would get $72 \div 3 = 24$ marbles, and that would change my choice.