

# Drawing From a Deck of Attribute Cards

Imagine a bag of 12 marbles. Some are red, some are yellow, and some are blue.

1 If you know that 6 marbles are red and 3 are blue, \_\_\_\_\_ out of \_\_\_\_\_ then what portion are yellow?

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2 If 4 marbles are yellow, what portion of the marbles are not yellow? \_\_\_\_\_ out of \_\_\_\_\_

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3 If the probability of picking a red marble out of the bag is  $\frac{1}{2}$ , what is the probability of picking a marble that is not red? \_\_\_\_\_

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4 If the probability of picking a blue marble out of the bag is  $\frac{4}{12}$  and the probability of picking a yellow marble is  $\frac{4}{12}$ , what is the probability of picking a red marble? \_\_\_\_\_

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5 If  $\frac{1}{2}$  of the marbles are red and  $\frac{1}{4}$  are blue, what is the probability of picking a yellow marble? \_\_\_\_\_