

Probability and Odds Worksheet Answer Key

We Like Your Chances

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| 1. What is the probability of picking a 4 of hearts in a deck of cards?
$\frac{1}{52}$ | 1 : 2 |
| 2. What is the probability of picking a 4 in a deck of cards?
$\frac{4}{52}$ | 7. What are the odds against the Packers winning the Super Bowl if the probability of their winning is $\frac{5}{31}$?
26 : 5 |
| 3. What is the probability of picking a heart in a deck of cards?
$\frac{1}{4}$ | 8. What is the probability of the Packers and Saints winning the Super Bowl this year?
0 |
| 4. What is the probability of rolling an odd number with a die?
$\frac{1}{2}$ | 9. What is the probability of rolling three 3's on one roll of 3 dice?
$\frac{1}{6^3}$ |
| 5. What is the probability of rolling two 5's with two dice?
$\frac{1}{36}$ | 10. What is the probability of rolling a 3 with one die and the Packers winning the Super Bowl if their likelihood of winning is $\frac{5}{31}$?
$\frac{1}{6} \times \frac{5}{31}$ |
| 6. What are the odds of an event if the probability is $\frac{1}{3}$? | |

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