

The skills in this series of exercises appear frequently.

These are the GIFTS you must take to succeed.



Numeracy Unit

Exercise 5

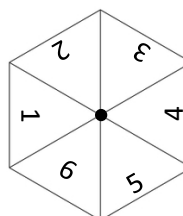
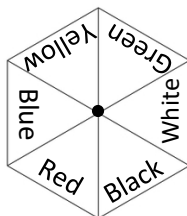
Probability (Non-Calculator)

Calculate the probability of:

1. Picking a red Queen from a standard deck of cards.
2. Rolling lower than 3 on a standard 6-sided dice.
3. A spinner numbered 1 – 12, landing on a prime number.
4. A roulette wheel with 37 numbers landing on a square number.
5. Two 6-sided dice landing on a total greater than 7.
6. Two 9-sided dice landing on a total less than 10.
7. Two 8-sided dice landing on a total greater than 9.
8. Two 5 sided spinners one labelled A-E, the other 1-5, landing on an odd & vowel.
9. Two 5 sided spinners one labelled A-E, the other 1-5, landing on an even & consonant.
10. Two 5 sided spinners one labelled A-E, the other 1-5, landing on an A or B & 4 or less.

Applying Questions

1. 2 six-sided spinners are shown.



Calculate the probability of landing on a green or white and an odd number.

2. A prize tombola has 100 tickets numbered 1 – 100.

To win a prize the digit sum must total 9 or more.

There is also a dice game with two standard dice.

To win a prize you must roll a combined total of 7 or more.

Which game provides the greater chance of winning a prize?