

# SOAL DAN PEMBAHASAN MATEMATIKA PELUANG KUTIPAN PELAJAR

## Download Complete File

### Soal dan Pembahasan Matematika Peluang untuk Pelajar

**Soal:** Sebuah dadu dilempar satu kali. Peluang munculnya mata dadu lebih dari 3 adalah....

**Pembahasan:** Banyak cara mata dadu muncul adalah 6 (1, 2, 3, 4, 5, 6). Mata dadu yang lebih dari 3 adalah 4, 5, dan 6, yang berjumlah 3 cara. Jadi, peluang munculnya mata dadu lebih dari 3 adalah:

$$\begin{aligned}\text{Peluang} &= \text{Jumlah cara mata dadu lebih dari 3} / \text{Jumlah cara mata dadu muncul} \\ &= 3/6 \\ &= 1/2\end{aligned}$$

Jadi, peluang munculnya mata dadu lebih dari 3 adalah **1/2**.

**Soal:** Terdapat 5 kartu bernomor 1, 2, 3, 4, dan 5. Dua kartu diambil secara acak tanpa pengembalian. Peluang terambilnya kartu bernomor genap adalah....

**Pembahasan:** Banyak cara mengambil 2 kartu dari 5 kartu adalah 10 ( $5 \times 2$ ). Kartu bernomor genap adalah 2 dan 4, yang berjumlah 2 cara. Jadi, peluang terambilnya kartu bernomor genap adalah:

$$\begin{aligned}\text{Peluang} &= \text{Jumlah cara mengambil kartu genap} / \text{Jumlah cara mengambil 2 kartu} \\ &= 2/10 \\ &= 1/5\end{aligned}$$

Jadi, peluang terambilnya kartu bernomor genap adalah **1/5**.

**Soal:** Sebuah kantong berisi 10 bola merah, 6 bola biru, dan 4 bola kuning. Jika diambil 3 bola sekaligus secara acak dengan pengembalian, peluang terambilnya 2 bola merah dan 1 bola biru adalah....

**Pembahasan:** Banyak cara mengambil 3 bola dari 20 bola adalah 3.800 ( $20 \times 19 \times 18$ ). Banyak cara mengambil 2 bola merah dari 10 bola merah adalah 45 ( $10 \times 9 / 2$ ). Banyak cara mengambil 1 bola biru dari 6 bola biru adalah 6. Jadi, peluang terambilnya 2 bola merah dan 1 bola biru adalah:

$$\begin{aligned}\text{Peluang} &= (\text{Jumlah cara mengambil 2 bola merah} \times \text{Jumlah cara mengambil 1 bola biru}) / \text{Jumlah cara mengambil 3 bola} \\ &= (45 \times 6) / 3.800 \\ &= 9/200 \\ &= 9/100\end{aligned}$$

Jadi, peluang terambilnya 2 bola merah dan 1 bola biru adalah **9/100**.

**Soal:** Peluang seorang pemain tenis memenangkan pertandingan adalah 0,6. Jika ia bertanding sebanyak 5 kali, peluang ia memenangkan sedikitnya 3 kali adalah....

**Pembahasan:** Peluang ia kalah adalah  $1 - 0,6 = 0,4$ . Peluang ia memenangkan sedikitnya 3 kali adalah peluang ia menang 3 kali, 4 kali, atau 5 kali.

$$\begin{aligned}\text{Peluang} &= (\text{Peluang menang 3 kali}) + (\text{Peluang menang 4 kali}) + (\text{Peluang menang 5 kali}) \\ &= (0,6)^3 \times (0,4)^2 + (0,6)^4 \times (0,4) + (0,6)^5 \\ &= 0,216 + 0,1296 + 0,07776 \\ &= 0,42336\end{aligned}$$

Jadi, peluang ia memenangkan sedikitnya 3 kali adalah **0,42336**.

**Soal:** Sebuah kotak berisi 10 bola yang diberi nomor dari 1 sampai 10. Jika diambil 2 bola sekaligus secara acak tanpa pengembalian, peluang terambilnya bola bernomor prima adalah....

**Pembahasan:** Bola bernomor prima adalah 2, 3, 5, dan 7. Banyak cara mengambil 2 bola dari 10 bola adalah 90 ( $10 \times 9$ ). Banyak cara mengambil 2 bola bernomor prima dari 4 bola bernomor prima adalah 6 ( $4 \times 3 / 2$ ). Jadi, peluang terambilnya bola bernomor prima adalah:

---

$$\begin{aligned}\text{Peluang} &= \text{Jumlah cara mengambil bola bernomor prima} / \text{Jumlah cara mengamb} \\ &= 6/90 \\ &= 1/15\end{aligned}$$

Jadi, peluang terambilnya bola bernomor prima adalah **1/15**.

## **The Fashion Designers Textile Directory: A Comprehensive Guide to Fabrics, Properties, and Garment Design Potential**

The Fashion Designers Textile Directory is an invaluable resource for fashion designers seeking to understand the intricacies of different fabrics and their suitability for garment design. This comprehensive guide provides essential information on fabric properties, characteristics, and their potential for creating captivating apparel.

### **1. What is the Fashion Designers Textile Directory?**

The Fashion Designers Textile Directory is a comprehensive directory that offers detailed profiles of an extensive array of fabrics. It features a wide range of natural and synthetic materials, each with its unique properties and design possibilities.

### **2. What types of information does it provide about fabrics?**

The directory includes detailed information on each fabric's fiber content, construction, drape, texture, and performance characteristics. It also provides insights into the fabric's durability, breathability, and care instructions.

### **3. How can designers use the directory?**

Designers can use the directory to research and select fabrics that align with their design concept and aesthetic. By understanding the properties and characteristics of different fabrics, designers can optimize their designs for drape, texture, and overall garment fit and function.

### **4. How does the directory help with garment design potential?**

The directory provides insights into the garment design potential of each fabric. It offers guidance on fabric suitability for various garment types and styles, enabling designers to make informed choices that enhance the overall aesthetic and wearable

qualities of their garments.

## **5. Is the directory suitable for all levels of fashion designers?**

The Fashion Designers Textile Directory is a valuable resource for both aspiring and experienced fashion designers. It provides foundational knowledge for students and offers experienced professionals a comprehensive reference tool to expand their fabric repertoire and create innovative and sophisticated designs.

## **The Strawberry Picker: A Q&A Guide**

### **1. What is a strawberry picker?**

A strawberry picker is a device designed to harvest strawberries without damaging the fruit or the plants. It typically consists of a long, narrow handle with a basket or bucket attached to the end. The basket or bucket is lined with a soft material to prevent the berries from being bruised.

### **2. How does a strawberry picker work?**

Strawberry pickers are available in both manual and electric models. Manual pickers require the user to manually rotate the basket or bucket as they move along the rows of strawberries. Electric pickers use a motor to rotate the basket or bucket.

### **3. What are the benefits of using a strawberry picker?**

Using a strawberry picker can provide several benefits, including:

- **Increased efficiency:** Strawberry pickers can harvest berries more quickly than manual picking, reducing labor costs and increasing productivity.
- **Reduced damage:** The soft lining of the basket or bucket helps to protect the berries from bruising and crushing, ensuring they reach the consumer in optimal condition.
- **Improved plant health:** By avoiding damage to the plants, strawberry pickers help to promote healthy growth and reduce disease risk.

### **4. Are there any drawbacks to using a strawberry picker?**

While strawberry pickers can be beneficial, there are a few potential drawbacks to consider:

- **Cost:** Electric strawberry pickers can be expensive to purchase and maintain.
- **Difficulty in certain conditions:** Strawberry pickers can be challenging to use in uneven terrain or when the berries are very small.
- **Reliance on technology:** Electric strawberry pickers require a reliable power source and can malfunction if not properly maintained.

## **5. What should I consider when choosing a strawberry picker?**

When choosing a strawberry picker, it is important to consider the following factors:

- **Type of berries:** Different strawberry varieties may require different types of pickers.
- **Scale of operation:** The size of your strawberry operation will determine the capacity and efficiency you need from a picker.
- **Budget:** The cost of the picker should fit within your budget.
- **Availability of labor:** If labor is limited, an electric strawberry picker may be a better option.

## **The Culinary Reference Guide: A Comprehensive Resource for Chefs**

### **What is The Culinary Reference Guide?**

The Culinary Reference Guide is a comprehensive resource for chefs and apprentices, containing over 700 recipes, formulas, practical cooking methods, and applications. It's an invaluable tool for anyone working in the culinary industry.

### **What kind of information does it contain?**

The guide covers a wide range of culinary topics, including:

- **Recipes:** A vast collection of recipes for various dishes, from classic to contemporary.

- **Formulas:** Essential formulas for creating sauces, stocks, doughs, and other culinary foundations.
- **Cooking Methods:** Detailed explanations of cooking techniques, including sautéing, grilling, roasting, and baking.
- **Applications:** Practical guidance on how to apply culinary principles and techniques to real-world situations.

### How can it help chefs and apprentices?

The Culinary Reference Guide can assist chefs and apprentices in numerous ways:

- **Quick Reference:** Provides instant access to essential culinary information, saving time and effort.
- **Skill Development:** Enhances cooking skills and techniques through comprehensive explanations and guidelines.
- **Creativity Inspiration:** Offers inspiration for new recipes and dishes, encouraging culinary innovation.
- **Problem Solving:** Provides solutions to common culinary challenges and helps users overcome difficulties.

### Is it suitable for both beginners and experienced chefs?

The Culinary Reference Guide is designed for both beginners and experienced chefs. Beginners can use it as a foundational resource to learn the basics of cooking, while experienced chefs can utilize it as a reference and inspiration tool.

### How can I get a copy?

The Culinary Reference Guide is available in print and digital formats. It can be purchased from bookstores, online retailers, or directly from the publisher.

[the fashion designers textile directory a guide to fabrics properties characteristics and garment design potential, the strawberry picker, the culinary reference guide a quick resource for chefs and apprentices of over 700 recipes formulas practical cooking methods applicationsthe](#)

physical education learning packet 9 answers kawasaki vn750 vulcan workshop  
manual cerocero panorama de narrativas spanish edition suzuki grand vitara  
service manual 1999 arabian nights norton critical editions daniel heller roazen bus  
ticket booking system documentation genres coaching and mentoring first year and  
student teachers homelite 4hcps manual holt geometry chapter 1 answers wooden  
toy truck making plans the good the bad and the unlikely australia's prime ministers  
exam p study manual asm haynes manual vauxhall corsa b 2015 encyclopedia of  
contemporary literary theory approaches scholars terms theory culture kawasaki  
er650 er6n 2006 2008 factory service repair manual free mercury outboard engine  
manuals a software engineering approach by darnell lift every voice and sing  
selected poems classic 20th century penguin las tres caras del poder dynamics pytel  
solution manual the creaky knees guide northern california the 80 best easy hikes  
online maytag repair manual 68 firebird assembly manuals harlequin presents  
february 2014 bundle 2 of 2 shamed in the sandssecuring the greeks  
legacyseduction never liesan exquisite challenge munters mlt800 users manual  
convair 240 manual tokyo ghoul re vol 8  
embeddedoperatingsystems apractical approachundergraduatetopics  
incomputerscience worldhistory pacingguide californiacommoncore  
generalknowledgefor bengaliicteatony theremnantchronicles seriesbymar  
epearsonca dmvreg262 humicmatter insoil andtheenvironment  
principlesandcontroversies secondedition booksinsoils plantsand  
theenvironmentreading learningcenters fortheprimary gradessymjoyride  
repairmanual studentssolutions manualfor statisticsinformed decisionsusing  
datawinchester 800xmanualfs44 stihlmanualhusqvarna 353chainsaw  
partsmanual2014 paper1 juneexam memomaths threatassessmentand  
managementstrategies identifyingthehowlers andhuntersmercury 5hp4stroke  
manualleaving orbitnotesfrom thelastdays ofamericanspaceflight  
caterpillartransmission repairmanualcatastrophe orcatharsisthe sovieteconomy  
todayfujix10 stuckinmanual focusgx200honda engineforsale  
managerialeconomics7th editionsalvatore buytheschroth methodexercises  
forscoliosis manualinstruccionesbmw x3church publicoccasionssermon  
outlinesauggie methreewonder storieselm327 freesoftware  
magyarulwebsiteselmelectronics manualcasiowave ceptor4303 espanolncrteradata

bteqreferencemanual ezgo golfcartrepair manualcalciumand bonedisordersin  
childrenand adolescentsendocrinedevelopment vol162015 bmwe39service  
manualfightingfor recognitionidentitymasculinity andthe actof violenceinprofessional  
wrestlingmembranestructure andfunctionpacket answers