

# **FREE**

# Scavenger Hunt

## *Probability*

*8<sup>th</sup> Grade Math*



*Middle School  
Math Man*

# Math Scavenger Hunt

## *Solving Equations*

### **Materials:**

- Math Scavenger Hunt sheet for students to show work and record answers.
- 12 different Math Scavenger Hunt questions relating to probability.
- Math Scavenger Hunt Answer Key for teachers.

### **Instructions for Teachers:**

- Print off a copy of slide two (the record sheet with 12 boxes) for each student.
- Post one copy of each question sheet around the room, in order by number. When I did this activity, I split the room into two halves and posted two sets of questions to help limit the number of students at each question.
- Place students at various questions to start. If possible, have one or two students per question.
- As students solve the problem they are on, they record their work and answer in the correctly numbered box on their record sheet. Once they have an answer to a question, they must find that answer on the top of another question card. This is then the next question that they must solve.
- Students progress through the scavenger hunt until they have solved all twelve questions.
- I recommend having your answer key with you, so that you can help students find their place if they get stuck!

Name: \_\_\_\_\_

# Math Scavenger Hunt

|     |     |     |
|-----|-----|-----|
| 1.  | 2.  | 3.  |
| 4.  | 5.  | 6.  |
| 7.  | 8.  | 9.  |
| 10. | 11. | 12. |

Name: \_\_\_\_\_

# Math Scavenger Hunt (*Answer Key*)

|                            |                           |                            |
|----------------------------|---------------------------|----------------------------|
| 1.<br><br>96 outcomes      | 2.<br><br>24,360 ways     | 3.<br><br>560 combinations |
| 4.<br><br>$\frac{7}{40}$   | 5.<br><br>192 outcomes    | 6.<br><br>$\frac{2}{9}$    |
| 7.<br><br>720 outcomes     | 8.<br><br>10,626 ways     | 9.<br><br>$\frac{1}{216}$  |
| 10.<br><br>$\frac{1}{252}$ | 11.<br><br>$\frac{1}{12}$ | 12.<br><br>160 outcomes    |

#1

Previous Answer:

$$\frac{2}{9}$$

Kameryn flips a coin, rolls a 6-sided die, and then spins an 8-section spinner. How many possible outcomes are there?

#2

Previous Answer:

$$\frac{1}{252}$$

Mr. Greenberg has a class of 30 students. He is drawing names from a hat to determine a first, second, and third prize. How many ways can he pick the three students?

#3

Previous Answer:  
160 outcomes

Austin is ordering 3 different scoops of ice cream. He can pick from 16 flavors. If the order isn't important to him, how many combinations can he pick?

#4

Previous Answer:  
96 outcomes

Jake flips a coin and then rolls a 20-sided die. Find the probability that he flips heads and rolls a 7 or less.

#5

Previous Answer:

$$\frac{1}{216}$$

Hannah flips a coin 5 times  
and then rolls a 6-sided die.  
How many different  
outcomes are there?

Previous Answer:  
24,360 ways

Dillon has a bag with 5 red counters and 5 black counters. He draws two counters, without replacing the first counter. Find the probability that he picks two consecutive black counters.

#7

Previous Answer:

$$\frac{1}{12}$$

Jamal is creating a 3-digit password. He can choose from the ten single digit numbers. How many combinations are available, if no number is repeated?

Previous Answer:  
720 combinations

Ms. Musial is picking 4 students to work as a group from her class of 24 students. How many different ways can she draw the group, assuming the order of the students drawn does not matter?

#9

Previous Answer:  
560 combinations

Peyton rolls a 6-sided die  
three consecutive times.  
Find the probability that she  
rolls a 2, then a 3, and then a  
4.

Previous Answer:  
192 outcomes

Allison has a bag with 5 red counters and 5 black counters. She draws five counters, without replacing the counters. Find the probability that she picks all five red counters.

Previous Answer:

$$\frac{7}{40}$$

Belle has ten cards numbered 1-10. She draws three cards, without replacing the cards. Find the probability that she draws three even cards.

Previous Answer:  
10,626 ways

Megan spins a four-section spinner, rolls a 20-sided die, and then flips a coin. How many possible outcomes are there?

# Thank you for downloading 8<sup>th</sup> Grade Math Scavenger Hunt: Probability!

You can get all seven of my 8<sup>th</sup> grade math scavenger hunts as a part of discounted bundle at the link below!

[8<sup>th</sup> Grade Math Scavenger Hunt Bundle](#)

Visit my blog at  
[www.middleschoolmathman.blogspot.com](http://www.middleschoolmathman.blogspot.com)  
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