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1. **(1 point)** Library/NewHampshire/NECAP/grade7/gr7-2009/n7-2009-12s.pg

Angela has 5 fish. When she feeds them, she collects data on which fish eats first. Look at her data.

Which Fish Eats First?	
Fish	Number of Times
Goldie	9
Marlin	5
Nemo	2
Dory	3
Flounder	6

Based on Angela's data, what is the probability that Nemo will eat first the next time Angela feeds the fish is ___

Correct Answers:

- 0.08

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2. **(1 point)** Library/NewHampshire/NECAP/grade7/gr7-2006/n7-2006-10s.pg

Look at these tiles.

Haley puts these 12 tiles in a bag and shakes. Then she pulls out a tile at random.

What is the probability she picks a tile that is a multiple of 3?

- A. $\frac{8}{12}$
- B. $\frac{4}{8}$
- C. $\frac{4}{12}$
- D. $\frac{8}{4}$

Correct Answers:

- C

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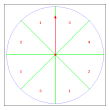
3. **(1 point)** Library/NewHampshire/NECAP/grade4/gr4-2009/n4-2009-10s.pg

Look at this spinner



On what number is the spinner least likely to land?

- A. 2
- B. 1
- C. 4
- D. 3

Correct Answers:

- C

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4. **(1 point)** Library/Rochester/setProbability1Combinations/ur_pb_1_5.pg

Determine the size of the sample space that corresponds to the experiment of tossing a coin the following number of times:

(a) 2 times
answer: _____

(b) 7 times
answer: _____

(c) *n* times
answer: _____

Correct Answers:

- 4
- 128
- 2^n

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5. **(1 point)** Library/Rochester/setAlgebra39Probability/sw10_3_7.pg

A ball is drawn randomly from a jar that contains 7 red balls, 8 white balls, and 6 yellow ball. Find the probability of the given event.

(a) A red ball is drawn;
The probability is : _____
(b) A white ball is drawn;
The probability is : _____
(c) A yellow ball is drawn;
The probability is : _____

Correct Answers:

- 0.333333333333333
- 0.380952380952381
- 0.285714285714286

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6. **(1 point)** Library/Rochester/setAlgebra39Probability/sw10_3_3.pg

A die is rolled. Find the probability of the given event.

(a) The number showing is a 4;
The probability is : _____
(b) The number showing is an even number;
The probability is : _____
(c) The number showing is greater than 1;
The probability is : _____

Correct Answers:

- 0.166666666666667
- 0.5
- 0.833333333333333

7. **(1 point)** Library/UMN/algebraKaufmannSchwitters/ks_15_3_prob02.pg

Three coins are tossed. Find the probability of tossing each of the following events:

1. Three heads.
Answer: _____

2. Two heads and a tail.
Answer: _____

3. At least one tail.
Answer: _____

4. At least two heads.
Answer: _____

Correct Answers:

- 0.125
- 0.375
- 0.875
- 0.5

8. **(1 point)** Library/UMN/algebraKaufmannSchwitters/ks_15_4_23.pg

A three-person committee is chosen at random from a group of 7 women and 4 men. Find the probability that the committee contains at least one man.

Answer: _____

Correct Answers:

- 1-35/165

9. **(1 point)** Library/Rochester/setAlgebra39Probability/sw10_3_43.pg

A jar contains 6 red marbles numbered 1 to 6 and 6 blue marbles numbered 1 to 6. A marble is drawn at random from the jar. Find the probability of the given event.
(a) The marble is red;
Your answer is : _____
(b) The marble is odd-numbered;
Your answer is : _____
(c) The marble is red or odd-numbered;
Your answer is : _____
(d) The marble is blue or even-numbered;
Your answer is : _____

Correct Answers:

- 0.5
- 0.5
- 0.75
- 0.75

10. **(1 point)** Library/Rochester/setAlgebra39Probability/prob1.pg

The letters in the word MATHEMATICS are arranged randomly.

What is the probability that the first letter is E? _____

What is the probability that the first letter is M? _____

Correct Answers:

- 0.0909090909090909
- 0.181818181818182

11. **(1 point)** Library/Rochester/setDiscrete9Counting/ur_dis_9_17.pg

A card is selected at random from a standard 52-card deck.

(a) What is the probability that it is an ace? _____

(b) What is the probability that it is a heart? _____

(c) What is the probability that it is an ace or a heart? _____

Correct Answers:

- 0.0769230769230769
- 0.25
- 0.307692307692308

12. **(1 point)** Library/Rochester/setProbability3Events/p10.pg

If A and B are two mutually exclusive events with $P(A) = 0.3$ and $P(B) = 0.6$, find the following probabilities:
a) $P(A \cap B) =$ _____
b) $P(A \cup B) =$ _____
c) $P(\overline{A}) =$ _____
d) $P(\overline{B}) =$ _____
e) $P(\overline{A} \cup \overline{B}) =$ _____
f) $P(A \cap \overline{B}) =$ _____

Correct Answers:

- 0
- 0.9
- 0.7
- 0.4
- 0.1
- 0.3

13. **(1 point)** Library/UVA-Stat/setStat212-Homework04/stat212-HW04-08.pg

A financial analyst has determined that there is a 23% probability that a mutual fund will outperform the market over a 1-year period provided that it outperforms the market the previous year. If only 17% of mutual funds outperform the market during any year, what is the probability that a mutual fund will outperform the market 2 years in a row?

Probability = _____

Correct Answers:

- 0.0391

14. **(1 point)** Library/UVA-Stat/setStat212-Homework04/stat212-HW04-03.pg

Approximately 8% of people are left-handed. If two people are selected at random, what is the probability of the following events?

A. P(Both are right-handed) = _____

B. P(Both are left-handed) = _____

C. P(One is right-handed and the other is left-handed) = _____

D. P(At least one is right-handed) = _____

Correct Answers:

- 0.8464
- 0.0064
- 0.1472
- 0.9936