PROBABILITY

A DEFINITION

A.1 FINDING PROBABILITY

MCQ 1: What is the chance of riding a dinosaur?



Choose one answer:

- \boxtimes Impossible
- \Box Less Likely
- $\Box\,$ Even Chance
- \square Most Likely
- \Box Certain

Answer: The correct answer is "Impossible." You can't ride a dinosaur because they don't live anymore.

MCQ 2: What is the chance of drinking water today?



Choose one answer:

- \Box Impossible
- $\Box\,$ Less Likely
- \Box Even Chance
- \boxtimes Most Likely
- \Box Certain

Answer: The correct answer is "Most Likely." You will probably drink water today because kids often drink water.

MCQ 3: What is the chance of the sun rising tomorrow morning?



Choose one answer:

- $\hfill\square$ Impossible
- \Box Less Likely
- $\hfill\square$ Even Chance
- $\hfill\square$ Most Likely
- \boxtimes Certain

Answer: The correct answer is "Certain." The sun will rise tomorrow morning because it happens every day.

MCQ 4: What is the chance of flying to Mars?



Choose one answer:

- \boxtimes Impossible
- \Box Less Likely
- \Box Even Chance
- $\hfill\square$ Most Likely
- \Box Certain

Answer: The correct answer is "Impossible." You can't fly to Mars because it's too far and only astronauts can go there.

MCQ 5: What is the chance of smiling at school today?



Choose one answer:

- \Box Impossible
- $\hfill\square$ Less Likely
- \Box Even Chance
- ⊠ Most Likely
- \Box Certain

Answer: The correct answer is "Most Likely." You will probably smile at school today because kids often smile when they do math.

MCQ 6: What is the chance of tossing a coin and getting heads?



Choose one answer:

- \Box Impossible
- \Box Less Likely
- \boxtimes Even Chance
- \square Most Likely
- \Box Certain

Answer: The correct answer is "Even Chance." When you toss a coin, you have the same chance to get heads or tails. It's half and half.

MCQ 7: What is the chance of a music star coming to school today?



Choose one answer:

- \Box Impossible
- \boxtimes Less Likely
- $\Box\,$ Even Chance
- \Box Most Likely
- \Box Certain

Answer: The correct answer is "Less Likely." A music star probably won't come to school today because they are very busy, but it's not impossible since they might visit for a special event.

MCQ 8: What is the chance of a baby born today being a girl?



Choose one answer:

- \Box Impossible
- \Box Less Likely

- \boxtimes Even Chance
- □ Most Likely
- \Box Certain

Answer: The correct answer is "Even Chance." You have the same chance of having a boy or a girl.

A.2 FINDING THE PROBABILITY IN A DRAWING EXPERIMENT

MCQ 9: What is the chance of picking a red candy from a bag with 4 red candies and 4 blue candies?



Choose one answer:

- $\hfill\square$ Impossible
- \Box Less Likely
- ☑ Even Chance
- Most Likely
- \Box Certain

Answer: The correct answer is "Even Chance." Since there are the same number of red and blue candies, you have an equal chance of picking a red candy.

MCQ 10: What is the chance of picking a blue candy from a bag with 4 red candies and 4 blue candies?



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Choose one answer:

- \Box Impossible
- \Box Less Likely
- \boxtimes Even Chance
- □ Most Likely
- \Box Certain

Answer: The correct answer is "Even Chance." Since there are the same number of red and blue candies, you have an equal chance of picking a blue candy.

MCQ 11: What is the chance of picking a blue candy from a bag with 9 red candies and 1 blue candy?



Choose one answer:

- \Box Impossible
- \boxtimes Less Likely
- $\Box\,$ Even Chance
- \Box Most Likely
- \Box Certain

Answer: The correct answer is "Less Likely." Since there are many more red candies than blue candies, you have a small chance of picking a blue candy.

MCQ 12: What is the chance of picking a red candy from a bag with 9 red candies and 1 blue candy?



Choose one answer:

- \Box Impossible
- \Box Less Likely
- $\Box\,$ Even Chance
- ⊠ Most Likely
- \Box Certain

Answer: The correct answer is "Most Likely." Since there are many more red candies than blue candies, you have a big chance of picking a red candy.

A.3 FINDING THE PROBABILITY IN A DICE EXPERIMENT

MCQ 13: What is the chance of getting a 3 when you roll a die?



Choose one answer:

- \Box Impossible
- \boxtimes Less Likely
- \Box Even Chance
- \Box Most Likely
- \Box Certain

Answer: The correct answer is "Less Likely." Since there are six numbers on a die, you have a small chance of rolling a 3.

MCQ 14: What is the chance of **not** getting a 3 when you roll a die?



Choose one answer:

- \Box Impossible
- $\hfill\square$ Less Likely
- \Box Even Chance
- ⊠ Most Likely
- \Box Certain

Answer: The correct answer is "Most Likely." Since there are six numbers on a die and five of them are not 3, you have a big chance of rolling a 1, 2, 4, 5, or 6.

MCQ 15: What is the chance of getting an even number (2, 4, or 6) when you roll a die?



Choose one answer:

- □ Impossible
- \Box Less Likely
- Even Chance
- \Box Most Likely
- \Box Certain

Answer: The correct answer is "Even Chance." Since there are six numbers on a die and three of them are even, you have an equal chance of getting an even number or an odd number.

MCQ 16: What is the chance of getting a 7 when you roll a die?





Choose one answer:

- \boxtimes Impossible
- \Box Less Likely
- $\Box\,$ Even Chance
- \Box Most Likely
- \Box Certain

Answer: The correct answer is "Impossible." Since there are only six numbers on a die, from 1 to 6, you can't roll a 7.

