

PROBABILITY

A DEFINITION

A.1 FINDING PROBABILITY

MCQ 1: How likely is it that you will ride a dinosaur?



Choose one answer:

- ☒ Impossible
- ☐ Maybe
- ☐ Certain

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

MCQ 2: How likely is it that you will drink water today?



Choose one answer:

- ☐ Impossible
- ☐ Maybe
- ☒ Certain

Answer: The correct answer is "Certain." You will drink water today because everyone needs water.

MCQ 3: How likely is it that the sun will rise tomorrow morning?



Choose one answer:

- ☐ Impossible
- ☐ Maybe

- ☒ Certain

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

MCQ 4: How likely is it that it will rain this afternoon?



Choose one answer:

- ☐ Impossible
- ☒ Maybe
- ☐ Certain

Answer: The correct answer is "Maybe." It might rain this afternoon, but we don't know for sure.

MCQ 5: How likely is it that you will fly to Mars?



Choose one answer:

- ☒ Impossible
- ☐ Maybe
- ☐ Certain

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

A.2 FINDING PROBABILITY IN A RANDOM EXPERIMENT

MCQ 6: How likely is it that you will pick a red candy from a bag with 4 red candies and 4 blue candies?



Choose one answer:

- ☐ Impossible
- ☒ Maybe
- ☐ Certain

Answer: The correct answer is "Maybe." You might pick a red candy, but you could also pick a blue one.

MCQ 7: How likely is it that you will pick a yellow candy from a bag with 4 red candies and 4 blue candies?



Choose one answer:

- ☒ Impossible
- ☐ Maybe
- ☐ Certain

Answer: The correct answer is "Impossible." You can't pick a yellow candy because there are only red and blue candies in the bag.

MCQ 8: How likely is it that the teacher will question a girl in a class of 4 girls and 4 boys?



Choose one answer:

- ☐ Impossible
- ☒ Maybe
- ☐ Certain

Answer: The correct answer is "Maybe." The teacher might pick a girl to question, but she could also pick a boy.

MCQ 9: How likely is it that the teacher will question a student in a class of 4 girls and 4 boys?



Choose one answer:

- ☐ Impossible
- ☐ Maybe
- ☒ Certain

Answer: The correct answer is "Certain." The teacher will question a student because everyone in the class is a student.

MCQ 10: How likely is it that the teacher will question a baby in a class of 4 girls and 4 boys?



Choose one answer:

- ☒ Impossible
- ☐ Maybe
- ☐ Certain

Answer: The correct answer is "Impossible." The teacher can't question a baby because there are only students in the class.