Year 8 Probability – Foundation

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Year 8 · Maths · Probability · Level 1 Foundation · 10 questions

Name _____ **Date** _____

A. Probability skills

1. The probability that a bus is late is 7/20. What is the probability that the bus is not late?

Answer _____

2. The probability that a bus is late is 0.375. What is the probability that the bus is not late?

Answer _____

3. The probability that a team wins its next match is 0.35. What is the probability that the team does not win?

Answer _____

4. Spinner A is numbered 1 to 2 and spinner B is numbered 1 to 4. List all the possible outcomes as (A, B).

Answer _____

5. A fair spinner with 3 equal sections numbered 1 to 3 is spun and a fair 8-sided dice is rolled. How many possible outcomes are there?

Answer _____

6. A fair spinner with 2 equal sections numbered 1 to 2 is spun and a fair 6-sided dice is rolled. How many possible outcomes are there?

Answer _____

7. Two fair four-sided dice are rolled. Use a sample space diagram to find the probability that both dice show the same number. Give your answer as a fraction in its simplest form.

Answer _____

8. Two fair six-sided dice are rolled. Use a sample space diagram to find the probability that both dice show the same number. Give your answer as a fraction in its simplest form.

Answer _____

9. Two fair six-sided dice are rolled. Use a sample space diagram to find the probability that at least one dice shows a 6. Give your answer as a fraction in its simplest form.

Answer _____

10. A fair coin is flipped and a fair eight-sided dice is rolled. What is the probability of getting tails and a multiple of three? Give your answer as a fraction in its simplest form.

Answer _____