Probability Worksheet (Dependent)

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| 1.   | A deck of cards has 3 blue, 4 black, and 6 purple cards. You pick 2 cards from the deck. Cards are not returned to the deck after they are picked.P(two blue cards in a row) |

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| 2.   | A deck of cards has 5 pink, 6 orange, 3 purple, and 5 navy cards. You pick 2 cards from the deck. Cards are not returned to the deck after they are picked.P(the first card is pink and the second card is purple) |

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| 3.   | There are 4 yellow, 6 black, and 4 pink marbles in a hat. You pick 3 marbles from the hat. Marbles are not returned after they have been drawn.P(the first marble is black, the second marble is not pink, and the third marble is yellow) |

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| 4.   | There are 5 yellow, 4 green, and 2 blue marbles in a hat. You pick 2 marbles from the hat. Marbles are not returned after they have been drawn.P(the first marble is blue and the second marble is blue) |

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| 5.   | A deck of cards has 3 yellow, 3 gray, 4 blue, 4 pink, and 2 orange cards. You pick 2 cards from the deck. Cards are not returned to the deck after they are picked.P(the first card is yellow and the second card is not yellow) |

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| 6.   | A deck of cards has 6 yellow, 4 blue, and 5 black cards. You pick 4 cards from the deck. Cards are not returned to the deck after they are picked.P(four blue cards in a row) |

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| 7.   | There are 6 red, 2 yellow, 6 black, and 5 gray marbles in a hat. You pick 2 marbles from the hat. Marbles are not returned after they have been drawn.P(the first marble is red and the second marble is black) |

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| 8.   | There are 5 brown, 6 red, and 4 white marbles in a hat. You pick 4 marbles from the hat. Marbles are not returned after they have been drawn.P(four white marbles in a row) |

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| 9.   | A deck of cards has 5 pink, 2 gray, and 6 black cards. You pick 2 cards from the deck. Cards are not returned to the deck after they are picked.P(the first card is gray and the second card is pink) |